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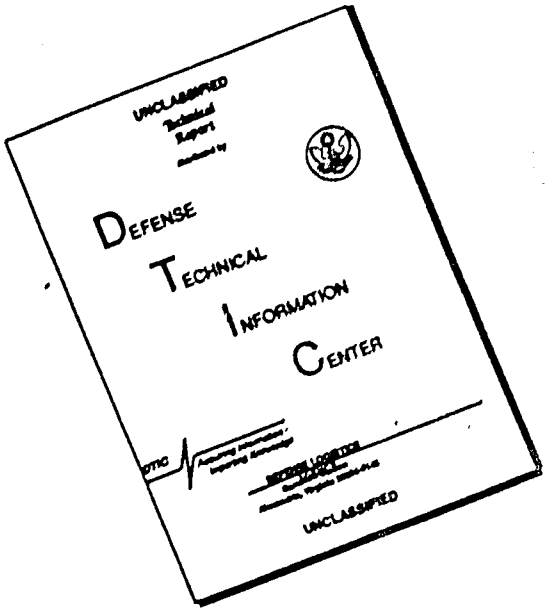

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APPENDIX III

YAC-1DH CATEGORY II PERFORMANCE AND STABILITY TESTS

SLATON L. JOHNS
Captain, USAF
Project Engineer

J. K. CAMPBELL
Captain, USAF
Project Pilot

UNITED STATES AIR FORCE
EDWARDS AIR FORCE BASE, CALIFORNIA
AIR RESEARCH AND DEVELOPMENT COMMAND
AIR FORCE FLIGHT TEST CENTER

AFFTC-TR-60-41
November 1960

APPENDIX III - YAC-1DH CATEGORY II PERFORMANCE AND STABILITY TESTS

SLATON S. JOHNS
Captain, USAF
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TABLE OF CONTENTS

YAC-1DH USA No. 57-3079

TEST TAKE-OFF

Flight No. 14 RUN 1 — Avg. RPM 2700 MAP 50.0 "Hg

Date 16 FEB 1960 — Mixture Rich

OAT 18 Deg. C — Flap Position 15 Deg.

Press. Alt. -240 Ft. — Gross Wt. 26000 Lbs.

Wind Speed 3.2 Kts. — T.O. 50 Ft.

Wind Direction 220 Deg. — IAS 80 Kts. 83 Kts.

Runway Heading 260 Deg. — Vgr 83.5 Kts. 83.5 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
0	0		19.5	1145	
6.4	55		19.8	1185	
8.6	150		20.1	1225	
10.	230		20.3	1265	
11.4	315		20.7	1305	
12.4	395		21.0	1345	
13.3	470		21.3	1390	
14.2	550		21.5	1430	
14.6	590		21.8	1470	0
15.	630		22.1	1510	2
15.4	670		22.4	1550	4
15.8	710		22.6	1585	6
16.1	750		22.9	1625	9
16.5	790		23.2	1665	12
16.8	830		23.5	1705	15
17.2	870		23.7	1745	19
17.5	905		24.0	1785	24
17.9	950		24.3	1825	28
18.2	985		24.6	1865	34
18.5	1025		24.8	1905	40
18.8	1065		25.1	1945	44
19.2	1105		25.4	1985	50

YAC-1DH USA No. 57-3079

TEST TAKE-OFF

Flight No. 14 RUN 2 — Avg. RPM 2700 MAP 49.9" Hg

Date 16 FEB. 1960 — Mixture Rich

OAT 18 Deg. C — Flap Position 15 Deg.

Press. Alt. -240 Ft. — Gross Wt. 25920 Lbs.

Wind Speed 3.5 Kts. — T.O. 50 Ft.

Wind Direction 230 Deg. — IAS 80 Kts. 85 Kts.

Runway Heading 260 Deg. — Vgr 79.5 Kts. 79.5 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
0	0		20.0	1535	2
4.1	65		20.2	1575	3
6.3	140		20.5	1615	7
7.7	225		20.8	1655	13
9.0	310		21.1	1695	18
10.0	385		21.3	1735	23
10.9	465		21.7	1780	32
11.7	540		21.9	1820	42
12.5	620		22.2	1855	51
13.4	705		22.5	1890	63
14.1	780				
14.8	860				
15.5	940				
16.1	1020				
16.8	1100				
17.4	1180				
18.0	1260				
18.5	1335				
18.8	1375				
19.1	1420				
19.4	1460				
19.7	1495	0			

YAC-1DH USA No. 57-3079

TEST TAKE-OFF

Flight No. 14 RUN 3 Avg. RPM 2700 MAP 50.0" Hg

Date 16 FEB 1960 Mixture Rich .

OAT 18 Deg. C Flap Position 15 Deg.

Press. Alt. -240 Ft. Gross Wt. 25820 Lbs.

Wind Speed 2.6 Kts. T.O. 50 Ft.

Wind Direction 215 Deg. IAS 75 Kts. 80 Kts.

Runway Heading 260 Deg. Vgr 79 Kts. 81 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
0	0		19.6	1380	3
4.7	70		19.8	1425	7
6.8	145		20.1	1465	13
8.4	225		20.4	1505	16
9.6	310		20.7	1545	25
10.7	390		21.0	1585	31
11.6	470		21.3	1625	40
12.5	550		21.6	1665	49
13.3	630		21.9	1705	59
14.1	715				
14.8	790				
15.5	870				
16.1	950				
16.8	1030				
17.1	1070				
17.4	1105				
17.7	1145				
18.1	1185				
18.3	1225				
18.6	1260				
19.0	1300	0			
19.2	1340	2			

YAC-1DH USA No. 57-3079

TEST TAKE-OFF

Flight No. 14 RUN 4 — Avg. RPM 2700 MAP 50.0" Hg

Date 16 FEB 1960 — Mixture Rich

OAT 18 Deg. C — Flap Position 15 Deg.

Press. Alt. -240 Ft. — Gross Wt. 25740 Lbs.

Wind Speed 2.1 Kts. — T.O. 50 Ft.

Wind Direction 240 Deg. — IAS 70 Kts. 80 Kts.

Runway Heading 260 Deg. — Vgr 76 Kts. 77 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
0	0		17.9	1390	25
3.9	90		18.3	1430	31
5.6	160		18.6	1470	40
7.0	235		18.8	1505	46
8.2	320		19.2	1545	56
9.2	400				
10.1	475				
10.9	550				
11.7	630				
12.4	710				
13.2	790				
13.8	870				
14.5	945				
15.2	1030				
15.5	1070				
15.8	1110	0			
16.1	1150	2			
16.4	1190	3			
16.7	1230	6			
17.0	1265	9			
17.3	1305	13			
17.6	1350	19			

YAC-1DH USA No. 57-3079

TEST TAKE-OFF

Flight No. 14 RUN 5 — Avg. RPM 2700 MAP 50.0" Hg

Date 16 FEB 1960 — Mixture Rich

OAT 18 Deg. C — Flap Position 30 Deg.

Press. Alt. -240 Ft. — Gross Wt. 25620 Lbs.

Wind Speed CALM Kts. — T.O. 50 Ft.

Wind Direction — Deg. — IAS 68 Kts. 75 Kts.

Runway Heading 260 Deg. — Vgr 77 Kts. 80 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
0	0		16.8	1280	3
1.4	30		17.1	1320	5
2.4	55		17.4	1360	8
3.1	85		18.1	1440	12
5.0	175		18.7	1520	15
6.3	255		19.3	1595	23
7.4	335		19.9	1665	30
8.5	415		20.2	1710	38
9.4	495		20.6	1755	40
10.3	575		20.9	1790	45.5
11.0	650		21.2	1830	50
11.9	730				
12.6	810				
13.4	885				
14.1	965				
14.4	1005				
14.8	1040				
15.1	1075				
15.5	1120				
15.8	1165				
16.1	1200				
16.5	1240	0			

YAC-1DH USA No. 57-3079

TEST TAKE-OFF

Flight No. 14 RUN 6 — Avg. RPM 2700 MAP 50.0" Hg

Date 16 FEB 1960 — Mixture Rich

OAT 17 Deg. C — Flap Position 30 Deg.

Press. Alt. -240 Ft. — Gross Wt. 25520 Lbs.

Wind Speed CALM Kts. — T.O. 50 Ft.

Wind Direction — Deg. — IAS 65 Kts. 70 Kts.

Runway Heading 260 Deg. — Vgr 73 Kts. 78 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
0	0		17.1	1340	10
2.2	40		17.4	1380	19
3.0	90		18.0	1445	33
3.7	120		18.7	1540	50
4.5	160		19.4	1620	70
5.3	205		20.1	1705	90
6.7	270				
7.6	360				
8.6	420				
9.5	500				
10.3	580				
11.2	660				
11.9	740				
12.6	815				
13.4	895				
14.1	980				
14.8	1060				
15.5	1140	0			
15.8	1180	0			
16.1	1220	1			
16.4	1260	6			
16.8	1300	8			

YAC-1DH USA No. 57-3079

TEST TAKE-OFF

Flight No. 14 RUN 7 — Avg. RPM 2700 MAP 50.0" Hg

Date 16 FEB 1960 — Mixture Rich

OAT 19 Deg. C — Flap Position 30 Deg.

Press. Alt. -240 Ft. — Gross Wt. 25410 Lbs.

Wind Speed 35 Kts. — T.O. 50 Ft.

Wind Direction 200 Deg. — IAS 60 Kts. 75 Kts.

Runway Heading 260 Deg. — Vgr 62 Kts. 75 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
0	0		16.8	1290	35
1.4	20		17.5	1370	55
1.6	55		18.3	1445	75
2.5	95		19.0	1525	95
5.9	215				
6.5	258				
7.0	290				
7.6	385				
8.6	412				
9.5	495				
10.3	570				
11.1	650				
11.9	730				
12.7	810				
13.4	890				
14.1	970	0			
14.4	1010	0			
14.8	1050	0			
15.1	1090	8			
15.5	1130	9			
15.8	1170	12			
16.1	1210	16			

TEST TAKE-OFF

Flight No. 16 RUN 1 — Avg. RPM 2700 MAP 50.0" Hg

Date 18 Feb. 1960 — Mixture Rich

OAT 5.5 Deg. C — Flap Position 15 Deg.

Press. Alt. -210 Ft. — Gross Wt. 22040 Lbs.

Wind Speed 2.7 Kts. — T.O. 50 Ft.

Wind Direction 210 Deg. — IAS 83 Kts. 83 Kts.

Runway Heading 260 Deg. — Ver 80.5 Kts. 83.8 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
0	0		14.7	1320	13.2
2.3	60		14.9	1355	18.48
3.8	125		15.1	1395	26.40
5.1	200		15.4	1435	34.30
6.1	285		15.7	1475	44.90
6.9	360		16.0	1515	55.45
7.8	440				
8.6	515				
9.3	600				
10.	675				
10.6	750				
11.2	830				
11.9	910				
12.1	955				
12.4	990				
12.7	1040				
13.0	1075				
13.3	1120				
13.6	1155	0			
13.8	1200	2.64			
14.1	1240	5.28			
14.4	1280	7.92			

YAC-1DH USA No. 57-3079

TEST TAKE-OFF

Flight No. 16 RUN 2 — Avg. RPM 2700 MAP 50.0" Hg

Date 18 FEB. 1960 — Mixture Rich

OAT 7.5 Deg. C — Flap Position 15 Deg.

Press. Alt. -210 Ft. — Gross Wt. 21910 Lbs.

Wind Speed 3.0 Kts. — T.O. 50 Ft.

Wind Direction 190 Deg. — IAS 75 Kts. 88 Kts.

Runway Heading 260 Deg. — Vcr 78.2 Kts. 88.2 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
0	0		14.7	1355	55.25
2.3	60		15.0	1395	60.70
3.7	130				
5.0	215				
6.0	285				
6.8	365				
7.7	445				
8.4	520				
9.1	605				
9.8	680				
10.4	760				
11.0	835				
11.6	920	0			
12.2	1000	5.28			
12.5	1040	7.92			
12.8	1080	10.56			
13.1	1120	15.85			
13.4	1155	18.48			
13.6	1200	23.75			
13.9	1240	31.70			
14.2	1280	39.60			
14.5	1315	44.9			

YAC-1DH USA No. 57-3079

TEST TAKE-OFF

Flight No. 16 RUN 3 — Avg. RPM 2700 MAP 50.0" Hg

Date 18 FEB. 1960 — Mixture Rich _____

OAT 7.5 Deg. C — Flap Position 15° Deg.

Press. Alt. -210 Ft. — Gross Wt. 21840 Lbs.

Wind Speed CALM Kts. — T.O. 50 Ft.

Wind Direction - Deg. — IAS 75 Kts. 85 Kts.

Runway Heading 260 Deg. — Vgr 76.4 Kts. 85.6 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
0	45		14.7	1355	54
1.9	95		14.9	1395	62
3.7	175				
5.0	245				
6.0	335				
6.9	405				
7.7	485				
8.5	560				
9.2	640				
9.9	720				
10.5	800				
11.1	880				
11.8	960	4			
12.0	1000	7			
12.3	1040	12			
12.6	1080	15			
12.9	1115	17			
13.2	1155	23			
13.5	1195	28			
13.8	1235	33			
14.1	1275	38			
14.4	1320	46			

YAC-1DH USA No. 57-3079

TEST TAKE-OFF

Flight No. 16 RUN 4 — Avg. RPM 2700 MAP 50.0" Hg

Date 18 FEB. 1960 — Mixture Rich

OAT 8.5 Deg. C — Flap Position 15 Deg.

Press. Alt. -210 Ft. — Gross Wt. 21710 Lbs.

Wind Speed 2.0 Kts. — T.O. 50 Ft.

Wind Direction 240 Deg. — IAS 74 Kts. 82 Kts.

Runway Heading 260 Deg. — Vgr 74 Kts. 80.6 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
0	0		19.0	1195	41
5.4	5		19.3	1240	46
6.1	65		19.6	1280	54
7.5	100		19.9	1320	62
9.1	175				
10.3	245				
11.3	325				
12.2	405				
13.1	485				
13.8	565				
14.6	645				
15.3	725				
15.9	800	0			
16.2	840	4			
16.5	880	7			
16.9	925	9			
17.2	960	12			
17.5	1000	17			
17.8	1040	23			
18.1	1080	25			
18.4	1120	30			
18.7	1160	36			

YAC-1DH U.S.A No. 57-3079

TEST TAKE-OFF

Flight No. 16 RUN 5 — Avg. RPM 2700 MAP 50.0" Hg

Date 18 FEB 1960 — Mixture Rich _____

OAT 8.5 Deg. C — Flap Position 15 Deg.

Press. Alt. -210 Ft. — Gross Wt. 21600 Lbs.

Wind Speed 1.1 Kts. — T.O. 50 Ft.

Wind Direction 260 Deg. — IAS 64 Kts. 89 Kts.

Runway Heading 260 Deg. — Vgr 61. Kts. 84.7 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
0	0		18.3	1295	36
5.1	35		18.6	1335	38
6.8	105		18.9	1370	41
8.0	170		19.1	1410	44
9.3	260		19.4	1455	49
10.3	340		19.7	1490	51
11.1	420		19.9	1530	57
11.9	500				
12.7	575				
13.4	660	0			
14.1	740	4			
14.8	815	7			
15.4	890	9			
15.7	930	12			
16.0	970	15			
16.3	1015	15			
16.6	1055	17			
16.9	1090	17			
17.1	1130	23			
17.4	1170	25			
17.7	1215	28			
18.0	1255	33			

YAC-1DH U.S.A No. 57-3079

TEST TAKE-OFF

Flight No. 16 RUN 6 — Avg. RPM 2700 MAP 50.0" Hg

Date 18 FEB 1960 — Mixture Rich _____.

OAT 8.5 Deg. C — Flap Position 15 Deg.

Press. Alt. -210 Ft. — Gross Wt. 21520 Lbs.

Wind Speed 2.9 Kts. — T.O. 50 Ft.

Wind Direction 260 Deg. — IAS 60 Kts. 78 Kts.

Runway Heading 260 Deg. — Vgr 64.6 Kts. 72.3 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
0	0				
4.6	45				
5.7	70				
7.7	150				
9.0	230				
10.0	310				
10.9	380				
11.8	460				
12.5	545				
13.3	620	0			
13.6	660	4			
14.0	700	7			
14.3	740	7			
14.7	780	12			
15.0	820	15			
15.3	860	17			
15.7	900	23			
16.0	940	30			
16.3	975	38			
16.6	1015	44			
17.0	1060	54			
17.3	1100	62			

YAC-1DH USA No. 57-3079

TEST TAKE-OFF

Flight No. 16 RUN 7 — Avg. RPM 2700 MAP 50.0" Hg

Date 18 FEB. 1960 — Mixture Rich

OAT 9.5 Deg. C — Flap Position 30 Deg.

Press. Alt. -210 Ft. — Gross Wt. 21420 Lbs.

Wind Speed 2.1 Kts. — T.O. 50 Ft.

Wind Direction 240 Deg. — IAS 60 Kts. 64 Kts.

Runway Heading 260 Deg. — Vcr 62.2 Kts. 65.8 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
0	0				
.7	45				
2.5	95				
4.1	175				
5.4	255				
6.5	335				
7.5	410				
8.4	490				
9.2	570				
10.0	650				
10.4	690	0			
10.8	730	2			
11.2	770	4			
11.5	805	7			
11.9	850	13			
12.2	890	19			
12.6	930	28			
13.0	965	37			
13.3	1000	49			
13.7	1045	60			

YAC-1DH USA No. 57-3079

TEST TAKE-OFF

Flight No. 16 RUN 8 — Avg. RPM 2700 MAP 50.0 "Hg

Date 18 FEB. 1960 — Mixture Rich _____

OAT 9.5 Deg. C — Flap Position 30 Deg.

Press. Alt. -210 Ft. — Gross Wt. 21300 Lbs.

Wind Speed CALM Kts. — T.O. 50 Ft.

Wind Direction — Deg. — IAS 55 Kts. 62 Kts.

Runway Heading 260 Deg. — Vgr 53.6 Kts. 59 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
0	0				
1.6	50				
3.4	115				
4.7	190				
6.0	270				
6.9	350				
7.8	425				
8.7	505				
9.5	580	0			
9.9	620	4			
10.3	665	9			
10.7	700	12			
11.0	740	20			
11.4	780	28			
11.8	820	36			
12.2	860	44			
12.5	900	52			
12.9	930	59			

YAC-1DH USA No. 57-3079

TEST TAKE-OFF

Flight No. 16 RUN 9 — Avg. RPM 2700 MAP 50.0" Hg

Date 18 FEB. 1960 — Mixture Rich _____

OAT 10.5 Deg. C — Flap Position 30 Deg.

Press. Alt. -210 Ft. — Gross Wt. 21220 Lbs.

Wind Speed 1.5 Kts. — T.O. 50 Ft.

Wind Direction 250 Deg. — IAS 53 Kts. 64 Kts.

Runway Heading 260 Deg. — Vgr 51.7 Kts. 62.2 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
0	0		18.8	1045	60
5.3	60				
6.3	70				
8.6	150				
9.9	220				
11.1	295				
12.1	375				
13.0	455	0			
13.4	495	2			
13.9	535	3			
14.3	570	4			
14.7	610	6			
15.1	650	7			
15.5	690	12			
15.8	730	16			
16.2	770	19			
16.6	810	22			
16.9	850	25			
17.3	885	31			
17.7	925	37			
18.0	965	43			
18.4	1005	54			

YAC-1DH USA No. 57-3079

TEST TAKE-OFF

Flight No. 16 RUN 10 — Avg. RPM 2700 MAP 50.0" Hg

Date 18 FEB 1960 — Mixture Rich

OAT 10.5 Deg. C — Flap Position 30 Deg.

Press. Alt. -210 Ft. — Gross Wt. 21120 Lbs.

Wind Speed CALM Kts. — T.O. 50 Ft.

Wind Direction — Deg. — IAS 49 Kts. 62 Kts.

Runway Heading 260 Deg. — Vgr 51.5 Kts. 61.6 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
0	0		12.2	842	47
.9	27		12.6	881	53
2.3	60		12.9	920	59
3.4	100				
4.0	136				
4.6	176				
5.3	220				
5.8	260				
6.3	298				
6.9	338				
7.3	378				
7.8	412				
8.2	455	0			
8.7	492	3			
9.1	532	5			
9.5	572	8			
9.9	610	11			
10.3	650	15			
10.6	685	21			
11.0	725	26			
11.4	765	35			
11.8	806	40			

YAC-1DH USA No. 57-3079

TEST TAKE-OFF

Flight No. 20 RUN 1 — Avg. RPM 2700 MAP 50.0" Hg

Date 7 MARCH 1960 — Mixture Rich

OAT 12 Deg. C — Flap Position 30 Deg.

Press. Alt. 2150 Ft. — Gross Wt. 26590 Lbs.

Wind Speed CALM Kts. — T.O. 50 Ft.

Wind Direction — Deg. — IAS 55 Kts. 60 Kts.

Runway Heading 040 Deg. — Vgr 56.5 Kts. 60.5 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
0	992	0			
2.	1009	0			
4.	1072	0			
6.	1164	0			
8.	1287	0			
9.	1359	0			
10.	1438	0			
11.	1523	0			
12.	1613	0			
12.25	1638	0			
12.75	1685	0			
13.	1709	.83			
14.	1807	7.05			
15.	1906	18.25			
16.	2006	31.33			
17.	2105	44.39			
18.	2204	57.69			

YAC-1DH U.A No. 57-3079

TEST TAKE-OFF

Flight No. 20 RUN 2 — Avg. RPM 2700 MAP 50.0" Hg

Date 7 MARCH 1960 — Mixture Rich _____

OAT 10.5 Deg. C — Flap Position 30 Deg.

Press. Alt. 2140 Ft. — Gross Wt. 26420 Lbs.

Wind Speed CALM Kts. — T.O. 50 Ft.

Wind Direction — Deg. — IAS 54 Kts. 61 Kts.

Runway Heading 040 Deg. — Vgr 59.7 Kts. 62.2 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
0.	996				
2.	1019				
4.	1082				
6.	1179				
8.	1309				
9.	1385				
10.	1468				
11.	1557				
11.75	1628				
12.	1652				
12.75	1731				
13.	1752	.79			
14.	1856	6.20			
15.	1962	16.32			
16.	2067	30.50			
17.	2173	45.35			
18.	2278	59.22			

YAC-1DH USA No. 57-3079

TEST TAKE-OFF

Flight No. 20 RUN 3 — Avg. RPM 2700 MAP 50.0" Hg

Date 7 MARCH 1960 — Mixture Rich

OAT 10.5 Deg. C — Flap Position 30 Deg.

Press. Alt. 2145 Ft. — Gross Wt. 26280 Lbs.

Wind Speed CALM Kts. — T.O. 50 Ft.

Wind Direction — Deg. — IAS 60 Kts. 64 Kts.

Runway Heading 040 Deg. — Vgr 60.7 Kts. 64.9 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
0	996				
2.	1018				
4.	1079				
6.	1176				
8.	1305				
10.	1465				
11.	1554				
11.75	1625				
12.	1649				
13.	1750				
14.	1856	4.31			
15.	1964	11.69			
16.	2074	21.47			
17.	2185	32.70			
18.	2298	45.50			
19.	2411	57.69			

[illegible] No. 57-3079

TEST TAKE [illegible]

Flight No. 20 Run 5 — Avg. RPM 2700 MAP 50.0" Hg

Date 7 MARCH 1960 — Mixture Rich

OAT 12 [illegible] C — Flap Position 30 Deg.

Press. Alt. 2140 Ft. — Gross Wt. 26140 Lbs.

Wind Speed CALM Kts. — T.O. 50 Ft.

Wind Direction [illegible] Deg. — IAS [illegible] Kts. 58 Kts.

Runway Heading 040 Deg. — Vgr 57.6 Kts. 59.5 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
0	995				
2.	1017				
4.	1078				
6.	1172				
8.	1299				
9.	1373				
10.	1453				
11.	1540				
11.75	1609				
12.	1633				
12.50	1681				
13.	1730	1.66			
14.	1831	9.91			
15.	1932	[illegible]			
16.	2033	35.52			
17.	2134	[illegible]			
18.	2234	65.58			

YAC-1DH USA No. 57-3079

TEST TAKE-OFF

Flight No. 20 RUN 7 — Avg. RPM 2700 MAP 50.0" Hg

Date 7 MARCH 1960 — Mixture Rich _____

OAT 12 Deg. C — Flap Position 30 Deg.

Press. Alt. 2150 Ft. — Gross Wt. 25930 Lbs.

Wind Speed CALM Kts. — T.O. 50 Ft.

Wind Direction — Deg. — IAS 55 Kts. 64 Kts.

Runway Heading 040 Deg. — Vgr 58.1 Kts. 63.0 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
0	994				
2.	1014				
4.	1072				
6.	1167				
8.	1293				
9.	1368				
10.	1449				
11.	1538				
11.50	1585				
12.	1632				
12.25	1657				
13.	1732	2.94			
14.	1834	9.04			
15.	1938	17.71			
16.	2044	30.35			
17.	2150	45.08			
18.	2256	58.62			

YAC-1DH USA No. 57-3079

TEST TAKE-OFF

Flight No. 21 RUN1 Avg. RPM 2700 MAP 50.0 "Hg

Date 10 MAR 1960 Mixture Rich

OAT 6 Deg. C Flap Position 15 Deg.

Press. Alt. 2180 Ft. Gross Wt. 25920 Lbs.

Wind Speed 1.3 Kts. T.O. 50 Ft.

Wind Direction 10 Deg. IAS [illegible] Kts. 79 Kts.

Runway Heading 40 Deg. V_{LX} 67 Kts. 75. Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
0.0	998	0			
2.0	1019				
4.0	1047				
6.0	1134				
8.0	1261				
10.0	1425				
11.0	1520				
12.0	1623				
13.0	1733	0			
14.0	1850	2			
15.0	1973	5			
16.0	2100	13			
17.0	2229	28			
18.0	2358	49			
19.0	2486	76			
20.0	2610	106			
21.0	2732	135			

YAC-1DH USA No. 57-3079

TEST TAKE-OFF

Flight No. 21 RUN 3 — Avg. RPM 2700 MAP 50.0" Hg

Date 10 MAR 1960 — Mixture Rich ____

OAT 8 Deg. C — Flap Position 15 Deg.

Press. Alt. 2180 Ft. — Gross Wt. 25800 Lbs.

Wind Speed CALM Kts. — T.O. 50 Ft.

Wind Direction — Deg. — IAS 73.5 Kts. 79. Kts.

Runway Heading 40 Deg. — Vgr 73.5 Kts. 74. Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
0.0	994				
3.0	1043				
6.0	1189				
9.0	1423				
11.0	1621				
12.0	1732				
12.8	1820				
13.0	1850				
13.5	1912	0			
14.0	1974	3			
15.0	2102	15			
16.0	2230	35			
17.0	2356	64			
18.0	2480	94			
19.0	2601	124			

YAC-1DH USA No. 57-3079

TEST TAKE-OFF

Flight No. 2 RUNS

Avg. RPM 2700 MAP 50.0 "Hg

Date 10 MARCH 1960

Mixture Rich

OAT 8 Deg. C

Flap Position 30 Deg.

Press. Alt. 2170 Ft.

Gross Wt. 25680 Lbs.

Wind Speed 3 Kts.

T.O. 50 Ft.

Wind Direction 10 Deg.

IAS [illegible] Kts. 58.5 Kts.

Runway Heading 40 Deg.

V_{LOF} 52 Kts. 55 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
0.0	993				
2.0	1017				
4.0	1081				
6.0	1180				
8.0	1311				
9.0	1388				
9.75	1450				
10.0	1471				
10.5	1515	0			
11.0	1560	2			
12.0	1651	9			
13.0	1744	20			
14.0	1838	33			
15.0	1932	49			
16.0	2025	67			
17.0	2117	84			
18.0	2209	101			
19.0	2301	115			
20.0	2394	129			

YAC-1DH USA No. 57-3079

TEST TAKE-OFF

Flight No. 21 RUN 7 — Avg. RPM 2700 MAP 50.0" Hg

Date 10 MAR 1960 — Mixture Rich

OAT 6 Deg. C — Flap Position 30 Deg.

Press. Alt. 2170 Ft. — Gross Wt. 25490 Lbs.

Wind Speed 2.2 Kts. — T.O. 50 Ft.

Wind Direction 10 Deg. — IAS 54 Kts. 60 Kts.

Runway Heading 40 Deg. — Vgr 54 Kts. 56.5 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
0.0	997				
2.0	1022				
4.0	1086				
6.0	1186				
8.0	1319				
9.0	1396				
10.0	1481				
10.75	1548	0			
11.0	1571	1			
12.0	1666	5			
13.0	1764	13			
14.0	1862	26			
15.0	1961	44			
16.0	2058	63			
17.0	2154	82			
18.0	2250	100			
19.0	2346	118			
20.0	2440	136			

YAC-1DH USA No. 57-3079

TEST TAKE-OFF

Flight No. 21 RUN 9 — Avg. RPM 2700 MAP 50.0 "Hg

Date 10 MAR 1960 — Mixture Rich

OAT 8 Deg. C — Flap Position 30 Deg.

Press. Alt. 2170 Ft. — Gross Wt. 25310 Lbs.

Wind Speed 1.6 Kts. — T.O. 50 Ft.

Wind Direction 25 Deg. — IAS 93.5 Kts. 60. Kts.

Runway Heading 40 Deg. — V_{CR} 54 Kts. 60. Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
0.0	993				
2.0	1015				
4.0	1078				
6.0	1178				
8.0	1311				
9.0	1389				
10.0	1474				
10.75	1542				
11.0	1565	0			
12.0	1661	5			
13.0	1759	14			
14.0	1859	24			
15.0	1960	36			
16.0	2062	50			
17.0	2164	66			
18.0	2265	86			
19.0	2365	106			
20.0	2464	125			

YAC-1DH USA No. 57-3079

TEST TAKE-OFF

Flight No. 21 RUN 11 — Avg. RPM 2700 MAP 500 "Hg

Date 10 MAR 1960 — Mixture Rich ____

OAT 12 Deg. C — Flap Position 30 Deg.

Press. Alt. 2170 Ft. — Gross Wt. 25180 Lbs.

Wind Speed CALM Kts. — T.O. 50 Ft.

Wind Direction ____ Deg. — IAS 53. Kts. 59.5 Kts.

Runway Heading 40 Deg. — Vgr 53.5 Kts. 56.5 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
0.0	995				
2.0	1015				
4.0	1076				
6.0	1174				
8.0	1305				
9.0	1382				
10.0	1466				
10.75	1533	0			
11.0	1556	1			
12.0	1651	6			
13.0	1747	15			
14.0	1845	29			
15.0	1942	46			
16.0	2038	65			
17.0	2133	84			
18.0	2227	103			
19.0	2319	123			
20.0	2409	143			

YAC-1DH USA No. 57-3079

TEST TAKE-OFF

Flight No. 25 RUN 1 — Avg. RIM 2700 MAP 45.0" Hg

Date 25 MAR 1960 — Mixture Rich ____

OAT -2 Deg. C — Flap Position 15 Deg.

Press. Alt. 6850 Ft. — Gross Wt. 21800 Lbs.

Wind Speed CALM Kts. — T.O. 50 Ft.

Wind Direction — Deg. — IAS — Kts. — Kts.

Runway Heading 270 Deg. — Vcr 75 Kts. 84. Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
4.3	0		22.0	1390	18
8.1	20		22.4	1446	20
9.3	75		23.0	1525	30
10.2	120		23.5	1600	38
11.1	175		23.7	1630	43
12.1	250		23.9	1650	47
13.0	320		24.0	1675	51
14.1	415		24.2	1700	55
15.2	515		24.3	1720	58
16.1	620		24.5	1745	65
17.0	720				
18.1	845				
18.7	920	0			
19.0	950	0			
19.1	975	2			
19.3	1005	3			
19.5	1030	3			
19.7	1050	5			
19.9	1075	7			
20.8	1205	10			
21.0	1230	12			
21.2	1265	13			

YAC-1DH USA No. 57-3079

TEST TAKE-OFF

Flight No. 25 RUN 3 Avg. RPM 2700 MAP 42.0" Hg

Date 25 MAR 1960 Mixture Rich ____

OAT 2.5 Deg. C Flap Position 15 Deg.

Press. Alt. 6850 Ft. Gross Wt. 21690 Lbs.

Wind Speed 3 Kts. T.O. 50 Ft.

Wind Direction 315 Deg. IAS — Kts. — Kts.

Runway Heading 270 Deg. Vgr 77 Kts. 87.5 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
3.9	0		26.2	965	2
12.8	10		26.4	990	2
14.2	35		26.6	1010	2
16.0	60		26.8	1040	5
17.1	105		27.0	1070	5
18.1	160		27.2	1095	5
19.2	235		28.1	1220	12
20.1	305		29.0	1365	22
21.0	380		30.0	1515	40
22.1	480		30.2	1535	42
23.1	580		30.3	1560	45
24.0	685		30.5	1580	47
24.2	705		30.6	1605	50
24.4	730		30.8	1630	52
24.6	755		31.0	1655	55
24.8	780		31.2	1680	61
25.0	805		32.0	1800	80
25.2	830	0	33.0	1950	102
25.4	855	0			
25.6	885	0			
25.8	905	0			
26.0	930	0			

YAC-1DH USA No. 57-3079

TEST TAKE-OFF

Flight No. 25 RUN 5 Avg. RPM 2700 MAP 41.7" Hg

Date 25 MAR 1960 Mixture Rich _____

OAT 6 Deg. C Flap Position 15 Deg.

Press. Alt. 6850 Ft. Gross Wt. 21570 Lbs.

Wind Speed 2.7 Kts. T.O. 50 Ft.

Wind Direction 280 Deg. IAS 62 Kts. 80 Kts.

Runway Heading 270 Deg. Vgr 62 Kts. 82 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
3.5	0		26.6	1140	50
8.3	0		26.9	1170	57
11.7	0		27.1	1200	62
13.2	10		27.4	1245	68
15.4	75		27.6	1280	73
17.1	170				
19.1	320				
21.0	495				
22.2	615	0			
22.4	635	2			
22.6	665	2			
22.8	685	5			
23.0	715	7			
23.3	735	8			
23.5	760	9			
23.7	785	11			
23.9	810	15			
24.5	885	20			
25.2	965	29			
26.0	1065	41			
26.2	1090	45			
26.4	1115	49			

YAC-1DH USA No. 57-3079

TEST TAKE-OFF

Flight No. 25 RUN 7 — Avg. RPM 2700 MAP 42.3" Hg

Date 25 MAR 1960 — Mixture Rich

OAT 6.5 Deg. C — Flap Position 30 Deg.

Press. Alt. 6850 Ft. — Gross Wt. 21470 Lbs.

Wind Speed 2 Kts. — T.O. 50 Ft.

Wind Direction 30 Deg. — IAS — Kts. — Kts.

Runway Heading 270 Deg. — Vgr 60. Kts. 57. Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
9.4	0		30.0	1040	40
10.1	0		30.2	1065	45
15.1	7		30.5	1095	50
17.3	50		30.8	1120	53
19.1	120		31.0	1145	57
20.1	175		32.2	1245	77
21.3	245		32.7	1295	85
23.3	315		32.9	1315	99
24.2	465				
25.3	565				
26.0	635				
26.5	685	0			
26.8	715	2			
27.0	740	4			
27.2	765	6			
27.5	795	8			
27.8	815	9			
27.9	840	10			
28.2	865	11			
29.3	970	22			
29.5	990	30			
29.7	1015	35			

YAC-1DH USA No. 57-3070

TEST TAKE-OFF

Flight No. 26 RUN1 Avg. RIM 2700 MAP 42.5 " Hg

Date 26 MARCH 1960 Mixture Rich .

OAT 1.5 Deg. C Flap Position 30 Deg.

Press. Alt. 6910 Ft. Gross Wt. 21760 Lbs.

Wind Speed 2.8 Kts. T.O. 50 Ft.

Wind Direction 75 Deg. IAS 50 Kts. 57 Kts.

Runway Heading 270 Deg. Vgr 67. Kts. 75. Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
4.0	0		23.1	975	30
4.9	0		23.3	1000	30
5.5	0		23.5	1025	35
6.4	0		23.8	1045	40
10.0	25		24.0	1070	40
10.8	50		24.3	1100	45
11.6	70		24.5	1125	45
12.2	100		24.8	1150	50
13.3	150		25.0	1180	50
14.1	200				
15.3	275				
16.0	325				
17.0	400				
17.3	425				
18.2	500				
19.0	575				
19.5	625				
20.0	675	0			
21.0	770	10			
21.6	825	15			
22.1	870	20			
22.6	925	25			

YAC-1DH USA No. 57-3079

TEST TAKE-OFF

Flight No. 26 RUN3 — Avg. RPM 2700MAP 41.3" Hg

Date 26 MARCH 1960 — Mixture Rich

OAT 2 Deg. C — Flap Position 30 Deg.

Press. Alt. 6910 Ft. — Gross Wt. 21650 Lbs.

Wind Speed 2.4 Kts. — T.O. 50 Ft.

Wind Direction 30 Deg. — IAS 51 Kts. 57 Kts.

Runway Heading 270 Deg. — Vgr 53 Kts. 58 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
7.8	0		19.1	625	10
8.5	0		19.2	645	10
10.0	30		19.9	690	10
10.6	50		20.1	720	15
11.3	75		20.4	750	20
11.9	105		20.8	790	20
12.4	130		21.2	820	25
12.9	150		21.7	870	30
13.4	180		22.0	895	35
13.8	200		22.2	920	40
14.1	225		22.7	970	45
14.5	250		23.0	1000	45
14.9	275		23.3	1020	50
15.6	325				
15.9	345				
16.2	370				
16.9	425				
17.2	450				
17.7	500				
18.0	525	0			
18.3	550	5			
18.8	600	5			

YAC-1DH USA No. 57-3079

TEST TAKE-OFF

Flight No. 26 RUNS

Date 26 MAR 1960

OAT 2 Deg. C

Press. Alt. 6910 Ft.

Wind Speed 3.3 Kts.

Wind Direction 90 Deg.

Runway Heading 270 Deg.

Avg. RPM 2700 MAP 42.2" Hg

Mixture Rich

Flap Position 30 Deg.

Gross Wt. 21550 Lbs.

T.O. 50 Ft.

IAS 57 Kts. 59 Kts.

VGR 53 Kts. 62 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
2.8	27	0	15.1	920	18
4.3	75		16.0	1020	25
5.5	130		17.0	1123	35
6.3	175		17.2	1150	37
7.1	223		17.5	1175	42
7.9	275		17.7	1200	45
8.6	323		18.0	1227	47
9.2	373		18.2	1250	51
9.8	423		18.4	1275	55
10.1	447				
10.4	473				
10.7	497				
11.0	525	0			
11.3	550	2			
11.5	575	3			
11.8	598	3			
12.1	625	5			
12.3	647	5			
12.6	675	7			
13.1	723	10			
13.6	770	12			
14.1	822	13			

YAC-1DH USA No. 57-3079

TEST TAKE-OFF

Flight No. 26 RUN 7 — Avg. RPM 2700 MAP 41.6 "Hg

Date 26 MARCH 1960 — Mixture Rich

OAT 4 Deg. C — Flap Position 30 Deg.

Press. Alt. 6910 Ft. — Gross Wt. 21440 Lbs.

Wind Speed 1.4 Kts. — T.O. 50 Ft.

Wind Direction 40 Deg. — IAS 51 Kts. 56 Kts.

Runway Heading 270 Deg. — Vgr 53 Kts. 59 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
3.8	0		20.7	575	5
9.6	0		21.2	625	5
10.4	0		21.5	650	5
11.9	25		21.8	675	10
12.9	55		22.3	730	15
13.6	80		22.5	755	15
14.2	105		22.8	780	15
14.7	130		23.3	820	20
15.1	155		23.5	840	25
15.6	180		23.8	870	30
15.9	200		24.0	895	35
16.3	230		24.3	920	40
16.7	250		24.5	940	45
17.5	300		24.8	965	50
17.8	330				
18.1	345				
18.5	375				
19.1	430				
19.4	455				
19.6	480				
19.9	500				
20.5	550	0			

YAC-1DH USA No. 57-3079

TEST TAKE-OFF

Flight No. 27 RUNZ — Avg. RPM 2700 MAP 42.2" Hg

Date 29 MAR 1960 — Mixture Rich

OAT -3.5 Deg. C — Flap Position 15 Deg.

Press. Alt. 6880 Ft. — Gross Wt. 26240 Lbs.

Wind Speed 2.7 Kts. — T.O. 50 Ft.

Wind Direction 240 Deg. — IAS — Kts. — Kts.

Runway Heading 270 Deg. — Vgr 77.5 Kts. 92. Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
7.5	0		28.0	1233	3
8.2	0		28.1	1259	4
11.8	0		28.3	1283	4
12.8	10		28.4	1298	5
14.0	32		28.6	1331	7
14.9	61		29.7	1478	12
16.1	113		30.7	1628	21
17.1	163		31.7	1773	31
18.6	258		32.0	1827	34
19.9	356		32.2	1852	37
20.9	453		32.3	1875	40
22.2	553		32.5	1900	42
23.1	650		32.6	1927	44
24.0	749		32.8	1943	47
24.9	849		33.0	1966	49
25.7	946		33.1	1991	52
26.5	1034		33.3	2016	54
27.0	1098	0	33.5	2040	57
27.2	1129	1	33.6	2066	59
27.4	1155	2			
27.6	1181	3			
27.8	1208	3			

YAC-1DH USA No. 57-3079

TEST TAKE-OFF

Flight No. 27 RUN 4 — Avg. RPM 2700 MAP 41.9" Hg

Date 29 MAR 1960 — Mixture Rich ____

OAT 0 Deg. C — Flap Position 15 Deg.

Press. Alt. 6880 Ft. — Gross Wt. 26120 Lbs.

Wind Speed CALM Kts. — T.O. 50 Ft.

Wind Direction — Deg. — IAS — Kts. — Kts.

Runway Heading 270 Deg. — Vgr 89 Kts. 95 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
2.7	0		22.2	1739	15
4.1	15		22.5	1789	17
5.9	63		22.8	1829	20
7.1	112		23.0	1864	23
8.1	165		23.3	1914	27
8.8	210		23.6	1959	33
10.3	312		23.9	2006	37
12.1	460		24.1	2034	40
13.1	560		24.2	2084	45
14.0	650		24.4	2114	50
15.0	757		24.6	2134	55
16.3	905				
17.1	1005				
18.0	1112				
19.1	1273				
20.0	1411				
21.0	1556				
21.2	1606	0			
21.4	1626	3			
21.5	1646	5			
21.7	1671	7			
21.8	1696	10			

YAC-1DH USA No. 57-3079

TEST TAKE-OFF

Flight No. 27 RUN 6 — Avg. RPM 2700 MAP 41.3" Hg

Date 29 MARCH 1960 — Mixture Rich

OAT 0.5 Deg. C — Flap Position 15 Deg.

Press. Alt. 6880 Ft. — Gross Wt. 25900 Lbs.

Wind Speed 2.2 Kts. — T.O. 50 Ft.

Wind Direction 265 Deg. — IAS 57 Kts. 66 Kts.

Runway Heading 270 Deg. — Vgr 63. Kts. 78.5 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
1.8	0		27.0	998	5
2.4	0		27.2	1024	6
11.7	0		27.8	1103	8
13.3	12		28.7	1207	13
14.5	35		29.5	1312	15
16.0	86		30.1	1406	21
16.6	112		30.9	1495	31
17.6	160		31.2	1544	36
19.2	257		31.4	1570	37
19.9	307		31.6	1595	40
21.1	403		31.8	1625	44
22.3	505		32.0	1647	50
22.8	553		32.2	1672	52
23.8	651		32.3	1692	56
24.3	704				
25.1	780	0			
25.3	805	0			
25.5	828	0			
25.7	850	1			
25.9	875	2			
26.3	925	2			
26.6	950	3			

YAC-1DII USA No. 57-3079

TEST TAKE-OFF

Flight No. 27 RUN 8 Avg. RPM 2700 MAP 42.2 " Hg

Date 29 MARCH 1960 Mixture Rich

OAT 2 Deg. C Flap Position 15 Deg.

Press. Alt. 6880 Ft. Gross Wt. 25780 Lbs.

Wind Speed 1.4 Kts. T.O. 50 Ft.

Wind Direction 280 Deg. IAS 63 Kts. 80 Kts.

Runway Heading 270 Deg. Vgr 65. Kts. 90. Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
6.3	0		29.0	954	5
6.6	0		29.2	979	6
14.8	0		29.4	1004	7
17.0	15		30.0	1080	8
17.1	35		30.6	1156	12
18.1	64		31.4	1265	17
19.2	110		31.9	1340	27
20.2	161		32.1	1385	31
20.9	204		32.5	1434	37
22.4	303		32.8	1480	42
23.1	358		33.0	1507	45
24.3	457		33.3	1550	49
24.8	507		33.5	1575	50
25.4	560		33.7	1600	54
26.3	655		33.9	1625	59
26.8	707				
27.3	755	0			
27.7	802	2			
28.0	825	2			
28.1	852	3			
28.4	879	3			
28.8	927	5			

YAC-1DH USA No. 57-3079

TEST TAKE-OFF

Flight No. 27 RUN 10 — Avg. RPM 2700 MAP 42.0" Hg

Date 29 MARCH 1960 — Mixture Rich _____

OAT 2 Deg. C — Flap Position 30 Deg.

Press. Alt. 6880 Ft. — Gross Wt. 25780 Lbs.

Wind Speed 2.8 Kts. — T.O. 50 Ft.

Wind Direction 255 Deg. — IAS 55 Kts. 60 Kts.

Runway Heading 270 Deg. — Vgr 59. Kts. 67.5 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
2.5	0		22.7	1058	7
2.7	0		22.9	1082	8
6.7	15		23.4	1136	10
8.8	39		23.8	1177	14
9.8	55		24.3	1237	17
10.6	90		25.1	1333	27
11.7	139		25.5	1380	33
12.7	187		26.0	1421	39
13.5	235		26.2	1445	41
14.3	285		26.6	1496	45
15.0	335		27.0	1544	50
16.4	437		27.4	1588	54
17.6	538		27.6	1612	57
18.6	635		27.8	1636	58
19.7	735				
20.2	785	0			
20.6	836	2			
20.9	858	3			
21.3	906	4			
21.6	937	4			
22.0	984	5			
22.2	1010	5			

YAC-1DH USA No. 57-3079

TEST TAKE-OFF

Flight No. 27 RUN 12 — Avg. RPM 2700 MAP 41.9" Hg

Date 29 MAR 1960 — Mixture Rich ____

OAT 4 Deg. C — Flap Position 30 Deg.

Press. Alt. 6880 Ft. — Gross Wt. 25650 Lbs.

Wind Speed CALM Kts. — T.O. 50 Ft.

Wind Direction ____ Deg. — IAS 55 Kts. 60 Kts.

Runway Heading 270 Deg. — Vgr 56.5 Kts. 71.5 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
5.9	0		30.1	970	7
6.8	0		31.5	1125	12
15.1	20		32.0	1180	16
16.6	35		32.5	1235	19
17.5	58		33.3	1325	28
18.2	82		33.6	1375	33
18.9	102		34.0	1415	42
19.6	133		34.3	1440	46
20.6	180		34.5	1475	49
22.3	227		34.9	1527	55
23.0	327		35.1	1550	57
24.3	425		35.4	1575	62
25.0	475				
26.1	575				
27.2	677	0			
27.7	725	1			
28.0	748	2			
28.2	772	3			
28.7	822	4			
28.9	850	4			
29.4	898	5			
29.6	925	6			

YAC-1DH USA No. 57-3079

TEST TAKE-OFF

Flight No. 27 RUN 14 Avg. RPM 2700 MAP 41.9" Hg

Date 29 MAR 1960 Mixture Rich

OAT 4 Deg. C Flap Position 30 Deg.

Press. Alt. 6880 Ft. Gross Wt. 25550 Lbs.

Wind Speed 1.3 Kts. T.O. 50 Ft.

Wind Direction 305 Deg. IAS 53 Kts. 71 Kts.

Runway Heading 270 Deg. Vgr 58 Kts. 79 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
5.0	0		26.9	1005	9
6.7	0		27.4	1061	11
13.1	22		27.9	1115	12
14.8	70		28.9	1217	18
16.1	122		29.7	1320	26
17.0	170		30.4	1422	34
18.7	267		30.9	1477	39
19.3	310		31.3	1525	44
20.7	412		31.5	1545	47
21.9	510		31.7	1570	50
22.5	560		32.1	1615	57
23.0	612		32.2	1635	61
23.8	682		32.5	1660	64
24.3	735	0	32.9	1710	72
24.6	762	1			
24.9	787	2			
25.1	812	3			
25.3	835	4			
25.8	885	5			
26.1	910	5			
26.3	940	6			
26.5	962	7			

YAC-1DH USA No. 57-3079

TEST TAKE-OFF

Flight No. 27 RUN 16 — Avg. RPM 2700 MAP 42.0" Hg

Date 29 MAR 1960 — Mixture Rich

OAT 6 Deg. C — Flap Position 30 Deg.

Press. Alt. 6880 Ft. — Gross Wt. 25450 Lbs.

Wind Speed CALM Kts. — T.O. 50 Ft.

Wind Direction — Deg. — IAS 52 Kts. 64 Kts.

Runway Heading 270 Deg. — Vgr 60.5 Kts. 71. Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
0.4	0		24.3	947	10
1.2	0		24.7	997	11
9.1	0		25.7	1102	16
10.3	12		26.1	1152	18
11.7	40		27.1	1255	25
12.5	65		27.8	1337	34
13.1	87		28.0	1357	37
14.2	137		28.9	1457	42
14.8	162		29.7	1552	46
15.5	207		30.5	1653	51
17.1	305		30.9	1700	53
18.5	407		31.3	1750	56
19.7	502		31.7	1802	59
20.3	552		32.1	1852	63
21.3	650	0	32.5	1905	66
21.9	705	0			
22.1	727	2			
22.6	772	3			
22.8	800	5			
23.3	852	5			
23.6	875	6			
24.0	923	7			

YAC-1DH USA No. 57-3070

TEST TAKE-OFF

Flight No. 28 RUN1 Avg. RPM 2700 MAP 50.0" Hg

Date 4 APRIL 1960 Mixture Rich

OAT 14 Deg. C Flap Position 15 Deg.

Press. Alt. 2000 Ft. Gross Wt. 23110 Lbs.

Wind Speed 1.5 Kts. T.O. 50 Ft.

Wind Direction 0 Deg. IAS 74 Kts. 76 Kts.

Runway Heading 040 Deg. Vgr 77.5 Kts. 80 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
0.0	1001				
1.0	1018				
2.0	1047				
3.0	1088				
4.0	1140				
5.0	1202				
6.0	1275				
7.0	1358				
8.0	1449				
9.0	1550				
10.0	1660				
11.0	1777				
12.0	1902				
12.75	2000	0			
13.0	2033	1			
14.0	2169	13			
15.0	2304	38			
16.0	2435	74			
17.0	2562	114			

YAC-1DH USA No. 57-3079

TEST TAKE-OFF

Flight No. 28 RUN 5 | Avg. RPM 2700 MAP 50.0" Hg

Date 4 APRIL 1960 | Mixture Rich

OAT 17.5 Deg. C | Flap Position 15 Deg.

Press. Alt. 2000 Ft. | Gross Wt. 22940 Lbs.

Wind Speed CALM Kts. | T.O. 50 Ft.

Wind Direction — Deg. | IAS 57.5 Kts. 67.5 Kts.

Runway Heading 40 Deg. | Vgr 58.5 Kts. 68. Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
0.0	1007				
1.0	1016				
2.0	1039				
3.0	1073				
4.0	1119				
5.0	1177				
6.0	1245				
7.0	1324				
8.0	1411				
9.0	1508	0			
10.0	1611	6			
11.0	1718	15			
12.0	1829	28			
13.0	1944	42			
14.0	2060	61			
15.0	2176	83			
16.0	2293	109			
17.0	2408	136			

YAC-1DH USA No. 57-3079

TEST TAKE-OFF

Flight No. 28 RUN 7 — Avg. RPM 2700 MAP 50.0 "Hg

Date 4 APRIL 1960 — Mixture Rich _____

OAT 19 Deg. C — Flap Position 30 Deg.

Press. Alt. 2000 Ft. — Gross Wt. 22860 Lbs.

Wind Speed CALM Kts. — T.O. 50 Ft.

Wind Direction — Deg. — IAS 54 Kts. 62 Kts.

Runway Heading 40 Deg. — Vgr 54 Kts. 62 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
0.0	992				
1.0	1009				
2.0	1037				
3.0	1076				
4.0	1124				
5.0	1181				
6.0	1246				
7.0	1320				
8.0	1401				
8.5	1445				
9.0	1490	0			
10.0	1584	4			
11.0	1682	10			
12.0	1784	20			
13.0	1887	33			
14.0	1991	51			
15.0	2093	73			
16.0	2194	98			

YAC-1DH USA No. 57-3079

TEST TAKE-OFF

Flight No. 28 RUN 9 — Avg. RPM 2700 MAP 50.0" Hg

Date 4 APRIL 1960 — Mixture Rich

OAT 18 Deg. C — Flap Position 30 Deg.

Press. Alt. 2000 Ft. — Gross Wt. 22770 Lbs.

Wind Speed 1.2 Kts. — T.O. 50 Ft.

Wind Direction 320 Deg. — LAS 52.5 Kts. 57.5 Kts.

Runway Heading 40 Deg. — Vgr 52.5 Kts. 56.5 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
0.0	994				
1.0	1009				
2.0	1034				
3.0	1070				
4.0	1117				
5.0	1172				
6.0	1236				
7.0	1309				
8.0	1389				
8.25	1410				
9.0	1476	0			
10.0	1569	4			
11.0	1664	13			
12.0	1762	27			
13.0	1859	46			
14.0	1954	69			
15.0	2046	91			
16.0	2140	113			
17.0	2232	133			

YAC-1DH USA No. 57-3079

TEST TAKE-OFF

Flight No. 28 RUN 11 Avg. RPM 2700 MAP 49.8" Hg

Date 4 APRIL 1960 Mixture Rich

OAT 18 Deg. C Flap Position 30 Deg.

Press. Alt. 2000 Ft. Gross Wt. 22690 Lbs.

Wind Speed CALM Kts. T.O. 50 Ft.

Wind Direction — Deg. IAS 51 Kts. 56 Kts.

Runway Heading 40 Deg. Vgr 54 Kts. 55 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
0.0	999				
1.0	1012				
2.0	1035				
3.0	1069				
4.0	1113				
5.0	1167				
6.0	1229				
7.0	1300				
8.0	1380				
8.25	1401				
9.0	1467				
9.25	1490	0			
10.0	1560	4			
11.0	1654	13			
12.0	1750	28			
13.0	1844	50			
14.0	1936	73			
15.0	2027	97			
16.0	2115	119			
17.0	2204	139			

YAC-1DH USA No. 57-3079

TEST TAKE-OFF

Flight No. 28 RUN 13 Avg. RPM 2700 MAP 49.8" Hg

Date 4 APRIL 1960 Mixture Rich

OAT 20 Deg. C Flap Position 30 Deg.

Press. Alt. 2000 Ft. Gross Wt. 22570 Lbs.

Wind Speed 1.7 Kts. T.O. 50 Ft.

Wind Direction 320 Deg. IAS 54 Kts. 68 Kts.

Runway Heading 40 Deg. Vgr 54 Kts. 67.5 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
0.0	1001				
1.0	1008				
2.0	1027				
3.0	1056				
4.0	1095				
5.0	1145				
6.0	1203				
7.0	1271				
8.0	1347				
9.0	1431				
10.0	1522	0			
11.0	1618	6			
12.0	1717	14			
13.0	1820	20			
14.0	1928	25			
15.0	2040	32			
16.0	2154	44			
17.0	2270	60			
18.0	2385	79			
19.0	2500	98			
20.0	2616	116			

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		SAWTOOTH CLIMB					
Flight No.		2	—				→
Run No.		1	2	3	4	5	6
Airspeed - Kts.		147.8	134.9	129.8	122.0	121.0	103.5
Altitude - Ft.		5,000	—				→
Fuel Time - Sec.	1						
	2						
Fuel Used - Gal.	1	75.1	84.5	93.1	98.9	105.5	110.4
	2	83.9	93.2	102.0	108.1	114.8	119.9
Engine RPM	1	2560	2550	2555	2550	2555	2550
	2	2560	2565	2565	2565	2565	2560
Manifold Pres - in. Hg.	1	42.5	42.5	42.4	42.5	42.15	42.25
	2	42.15	42.2	42.3	42.3	42.2	42.25
CAT - Deg. C	1	0	-1.0	-1.0	-1.5	-1.0	-1.0
	2	-0.5	-1.0	-1.0	-1.0	-1.0	-1.0
MSDP - in. H_2O	1						
	2						
OAT - Deg. C		-0.5	-1.0	-0.5	-1.0	-1.0	-0.5
Fuel Wt. - Lb/Gal.		5.83 LB/GAL @ 10.2.5 °C					
Engine StartGr. Wt. -Lb		26,135					
dh/dt - FT/MIN		783	1306	1526	1511	1631	1905
HEADING		260°	270°	70°	80°	260°	270°

Remarks:

DATE: 4 JAN 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		SAWTOOTH CLIMB					
Flight No.		2	→	→	→	→	
Run No.		7	8	9	10	11	
Airspeed - Kts.		95.4	82.3	81.3	111.6	114.2	
Altitude - Ft.		5000	→	→	→	→	
Fuel Time - Sec.	1						
	2						
Fuel Used - Gal.	1	117.6	122.3	128.5	134.6	140.8	
	2	127.4	132.3	138.5	145.1	151.6	
Engine RPM	1	2550	2550	2550	2555	2550	
	2	2565	2565	2565	2560	2570	
Manifold Pres - in. Hg.	1	42.5	42.5	42.4	42.5	42.4	
	2	42.25	42.25	42.3	42.25	42.25	
CAT - Deg. C	1	-1.0	-1.0	-1.0	-1.0	-0.5	
	2	-1.0	-1.0	-1.0	-1.0	-0.5	
MSDP - in. H_2O	1						
	2						
OAT - Deg. C		-1.0	-1.0	-1.0	-0.5	-0.5	
Fuel Wt. - Lb/Gal.		5.83 LB/GAL @ 10.25 °C					
Engine StartGr. Wt. -Lb		26,135					
dh/dt - FT/MIN		1911	1800	1891	1969	1856	
HEADING		270°	80°	260°	80°	260°	

Remarks:

DATE: 4 JAN 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		SAWTOOTH CLIMB					
Flight No.		5	———				→
Run No.		1	2	3	4	5	6
Airspeed - Kts.		145.0	134.5	125.7	114.6	103.75	104.2
Altitude - Ft.		10,000	———				→
Fuel Time - Sec.	1						
	2						
Fuel Used - Gal.	1	91.7	103.7	111.5	119.2	125.7	131.5
	2	90.4	101.7	108.9	116.1	122.4	128.0
Engine RPM	1	2557	2560	2545	2550	2540	2550
	2	2540	2530	2525	2535	2530	2525
Manifold Pres - in. Hg.	1	38.6	38.3	37.8	37.75	37.2	37.4
	2	37.3	37.3	36.9	36.85	36.5	36.55
CAT - Deg. C	1	-0.5	-1.0	-1.5	-1.0	-1.0	-1.0
	2	0.0	0.0	-0.5	+0.5	0.0	+0.5
MSDP - in. H_2O	1						
	2						
OAT - Deg. C		-0.5	-1.0	-1.5	-0.5	-1.5	-1.5
Fuel Wt. - Lb/Gal.		5.84 LB/GAL @ 11.2 °C					
Engine Start Gr. Wt. -Lb		27,250					
dh/dt - FT/MIN		520	804	919	1323	1410	1253
HEADING		45°	220°	230°	45°	45°	240°

Remarks:

DATE: 19 JAN 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		SAWTOOTH CLIMB					
Flight No.		5	→	→			
Run No.		7	8	9			
Airspeed - Kts.		94.35	85.25	76.62			
Altitude - Ft.		10,000	→	→			
Fuel Time - Sec.	1						
	2						
Fuel Used - Gal.	1	138.0	145.1	151.5			
	2	134.2	141.1	147.4			
Engine RPM	1	2550	2550	2550			
	2	2530	2525	2530			
Manifold Pres - in. Hg.	1	37.25	37.15	36.8			
	2	36.4	36.3	36.05			
CAT - Deg. C	1	-1.0	-1.0	-1.0			
	2	+0.5	+0.5	+1.0			
MSDP - in. H_2O	1						
	2						
OAT - Deg. C		-1.0	-1.0	-1.5			
Fuel Wt. - Lb/Gal.		5.84 LB/GAL @ 11.2 °C					
Engine StartGr. Wt. -Lb		27,250					
dh/dt - FT/MIN		1314	1343	1290			
HEADING		240°	45°	45°			

Remarks:

DATE: 19 JAN 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		SAWTOOTH CLIMB					
Flight No.		6	—	—	—	—	→
Run No.		1	2	3	4	5	6
Airspeed - Kts.		127.1	110.3	110.9	100.3	88.9	80.6
Altitude - Ft.		15,000	—	—	—	—	→
Fuel Time - Sec.	1						
	2						
Fuel Used - Gal.	1	82.1	90.3	97.8	105.8	113.5	118.3
	2	83.9	91.7	99.0	106.9	114.3	119.0
Engine RPM	1	2550	2545	2540	2550	2550	2550
	2	2550	2545	2555	2540	2550	2550
Manifold Pres - in. Hg.	1	31.55	31.10	31.0	30.85	30.75	30.5
	2	30.90	30.65	30.6	30.4	30.25	30.05
CAT - Deg. C	1	-7.0	-6.0	-6.0	-7.0	-7.0	-7.0
	2	-5.0	-5.0	-5.0	-4.0	-3.0	-2.0
MSDP - in. H_2O	1						
	2						
OAT - Deg. C		-6.0	-6.0	-6.0	-7.0	-7.0	-7.0
Fuel Wt. - Lb/Gal.		5.85 LB/GAL @ 10.3 °C					
Engine Start Gr. Wt. -Lb		26,400					
dh/dt - FT/MIN		477	791	830	945	981	954
HEADING		70°	70°	260°	85°	240-250°	260°

Remarks:

DATE: 20 JAN 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		SAWTOOTH CLIMB					
Flight No.		6					
Run No.		7	8				
Airspeed - Kts.		74.7	70.4				
Altitude - Ft.		15,000					
Fuel Time - Sec.	1						
	2						
Fuel Used - Gal.	1	125.2	131.7				
	2	125.7	132.0				
Engine RPM	1	2550	2550				
	2	2550	2550				
Manifold Pres - in. Hg.	1	30.45	30.7				
	2	30.05	30.3				
CAT - Deg. C	1	-7.0	-7.0				
	2	-2.0	-3.0				
MSDP - in. H_2O	1						
	2						
OAT - Deg. C		-8.0	-7.0				
Fuel Wt. - Lb/Gal.		5.85 LB/GAL @ 10.3 °C					
Engine Start Gr. Wt. -Lb		26,400					
dh/dt - FT/MIN		862	986				
HEADING		80°	80°				

Remarks:

DATE: 20 JAN 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		SAWTOOTH CLIMB					
Flight No.		7	—				→
Run No.		1	2	3	4	5	6
Airspeed - Kts.		112.8	105.3	104.4	93.5	85.4	78.4
Altitude - Ft.		20,000	—				→
Fuel Time - Sec.	1						
	2						
Fuel Used - Gal.	1	110.5	116.3	122.6	127.8	132.1	137.2
	2	108.9	114.4	120.3	125.4	129.6	134.4
Engine RPM	1	2550	2550	2555	2550	2550	2550
	2	2560	2555	2555	2550	2555	2550
Manifold Pres - in. Hg.	1	26.0	25.7	25.75	25.4	25.15	25.05
	2	25.5	25.15	25.2	25.0	24.75	24.8
CAT - Deg. C	1	-17.0	-17.0	-17.0	-17.0	-18.0	-18.0
	2	-19.0	-20.0	-20.0	-20.0	-21.0	-21.0
MSDP - in. H_2O	1						
	2						
OAT - Deg. C		-15.0	-16.0	-17.0	-17.0	-18.0	-18.0
Fuel Wt. - Lb/Gal.		5.86 LB/GAL @ 10°C					
Engine StartGr. Wt. -Lb		26,550					
dh/dt - FT/MIN		400	596	596	717	643	565
HEADING		120°	320°	300°	300°	300°	120°

Remarks:

DATE: 21 JAN 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		SAWTOOTH CLIMB					
Flight No.		7					
Run No.		7	8				
Airspeed - Kts.		99.3	93.6				
Altitude - Ft.		20,000					
Fuel Time - Sec.	1						
	2						
Fuel Used - Gal.	1	143.1	151.2				
	2	140.1	148.1				
Engine RPM	1	2555	2550				
	2	2555	2550				
Manifold Pres - in. Hg.	1	25.55	25.5				
	2	25.3	25.1				
CAT - Deg. C	1	-18.0	-17.0				
	2	-21.0	-21.0				
MSDP - in. H_2O	1						
	2						
OAT - Deg. C		-18.0	-17.0				
Fuel Wt. - Lb/Gal.		5.86 LB/GAL @ 10°C					
Engine Start Gr. Wt. -Lb		26,550					
dh/dt - FT/MIN		613	573				
HEADING		120°	120°				

Remarks:

DATE: 21 JAN 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		SAWTOOTH CLIMB					
Flight No.		10	—				→
Run No.		1	2	3	4	5	6
Airspeed - Kts.		119.8	109.9	98.0	96.8	90.3	80.3
Altitude - Ft.		10,000	—				→
Fuel Time - Sec.	1						
	2						
Fuel Used - Gal.	1	82.6	87.7	91.9	96.6	100.4	107.5
	2	84.2	88.9	92.9	97.3	100.8	107.6
Engine RPM	1	2550	2550	2550	2550	2535	2550
	2	2550	2550	2550	2545	2545	2550
Manifold Pres - in. Hg.	1	38.0	37.55	37.25	37.15	36.65	37.1
	2	37.0	36.70	36.45	36.45	36.20	36.3
CAT - Deg. C	1	0.0	-1.0	+1.0	+2.0	+1.0	+2.0
	2	0.0	-1.0	0.0	+1.0	-1.0	-1.0
MSDP - in. H_2O	1						
	2						
OAT - Deg. C		+3.0	+2.0	+2.0	+3.0	+1.0	-1.0
Fuel Wt. - Lb/Gal.		5.80	LB/GAL @ 17.4°C				
Engine StartGr. Wt. -Lb		22,420					
dh/dt - FT/MIN		1493	1695	1875	1622	1546	1639
HEADING		260°	260°	260°	80°	70°	85°

Remarks:

DATE: 27 JAN 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		SAWTOOTH CLIMB					
Flight No.		10	———	———	——→		
Run No.		7	8	9	10		
Airspeed - Kts.		74.6	83.0	79.8	66.9		
Altitude - Ft.		10,000	———	———	——→		
Fuel Time - Sec.	1						
	2						
Fuel Used - Gal.	1	116.1	121.7	125.8	132.5		
	2	115.7	121.4	125.2	131.6		
Engine RPM	1	2550	2550	2550	2560		
	2	2550	2550	2540	2545		
Manifold Pres - in. Hg.	1	36.8	37.05	36.8	36.65		
	2	36.3	36.40	36.3	36.05		
CAT - Deg. C	1	+3.0	+3.0	+2.0	+2.0		
	2	-1.0	+1.0	0.0	+1.0		
MSDP - in. H_2O	1						
	2						
OAT - Deg. C		+2.0	+3.0	+2.0	+2.0		
Fuel Wt. - Lb/Gal.		5.80	LB/GAL @	17.4	°C		
Engine Start Gr. Wt. -Lb		22,420					
dh/dt - FT/MIN		1657	1744	1657	1587		
HEADING		260°	80°	80°	260°		

Remarks:

DATE: 27 JAN 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		SAWTOOTH CLIMB					
Flight No.		10	———	———	———	———	→
Run No.		1	2	3	4	6	7
Airspeed - Kts.		140.8	134.6	117.9	107.3	95.8	85.7
Altitude - Ft.		5,000	———	———	———	———	→
Fuel Time - Sec.	1						
	2						
Fuel Used - Gal.	1	19.5	27.5	34.8	40.9	52.1	56.4
	2	21.9	29.8	36.8	43.2	54.3	58.5
Engine RPM	1	2540	2520	2515	2490	2550	2550
	2	2550	2535	2530	2525	2540	2550
Manifold Pres - in. Hg.	1	42.6	42.65	42.8	42.5	42.75	43.0
	2	42.35	42.3	42.3	42.35	42.25	42.35
CAT - Deg. C	1	+5.0	+7.0	+7.0	+8.0	+6.0	+7.0
	2	+5.0	+5.0	+6.0	+6.0	+5.0	+6.0
MSDP - in. H_2O	1						
	2						
OAT - Deg. C		+7.0	+8.0	+7.0	+7.0	+6.0	+7.0
Fuel Wt. - Lb/Gal.		5.80	43/GAL @ 17.4 °C				
Engine StartGr. Wt. -Lb		22,420					
dh/dt - FT/MIN		1091	1467	1778	1786	2000	1953
HEADING		80°	80°	260°	220°-265°	80°	70°

Remarks:

DATE: 27 JAN 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		SAWTOOTH CLIMB					
Flight No.		10	→	→			
Run No.		8	9	10			
Airspeed - Kts.		85.4	77.3	78.5			
Altitude - Ft.		5,000	→	→			
Fuel Time - Sec.	1						
	2						
Fuel Used - Gal.	1	60.7	65.1	71.1			
	2	62.9	67.2	73.2			
Engine RPM	1	2560	2550	2560			
	2	2550	2550	2550			
Manifold Pres - in. Hg.	1	42.5	42.35	42.5			
	2	42.3	42.3	42.3			
CAT - Deg. C	1	+7.0	+7.0	+7.0			
	2	+5.0	+5.0	+6.0			
MSDP - in. H_2O	1						
	2						
OAT - Deg. C		+7.0	+6.0	+7.0			
Fuel Wt. - Lb/Gal.		5.80 LB/GAL @	17.4 °C				
Engine Start Gr. Wt. -Lb		22,420					
dh/dt - FT/MIN		2095	2000	1887			
HEADING		80°	260°	80°			

Remarks:

DATE: 27 JAN 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		SAWTOOTH CLIMB					
Flight No.		12	———	———	———	———	→
Run No.		1	2	3	4	5	6
Airspeed - Kts.		105.9	95.7	88.1	80.3	82.0	71.8
Altitude - Ft.		2,500	———	———	———	———	→
Fuel Time - Sec.	1						
	2						
Fuel Used - Gal.	1	31.3	39.9	46.1	52.1	58.0	63.6
	2	28.8	37.1	43.2	49.2	55.1	60.7
Engine RPM	1	2550	2570	2560	2550	2550	2550
	2	2535	2530	2540	2560	2560	2560
Manifold Pres - in. Hg.	1	42.3	42.3	42.3	42.4	42.2	42.3
	2	42.2	42.3	42.2	42.4	42.2	42.2
CAT - Deg. C	1	13	13	13	13	13	13
	2	12	11	11	11	11	11
MSDP - in. H_2O	1						
	2						
OAT - Deg. C		14	13	13	13	13	13
Fuel Wt. - Lb/Gal.		5.82 LB/GAL @ 15.85 °C					
Engine Start Gr. Wt. -Lb		26,000					
dh/dt - FT/MIN		506	785	825	872	922	964
HEADING		20°	200°	50°	30°	200°	200°

Remarks: 19 DEGREES FLAPS
LANDING GEAR EXTENDED

DATE: 3 FEB 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		SAWTOOTH CLIMB					
Flight No.		12					
Run No.		7	8				
Airspeed - Kts.		71.6	94.3				
Altitude - Ft.		2,500					
Fuel Time - Sec.	1						
	2						
Fuel Used - Gal.	1	70.4	78.2				
	2	67.5	75.3				
Engine RPM	1	2550	2540				
	2	2560	2555				
Manifold Pres - in. Hg.	1	42.3	42.2				
	2	42.2	42.2				
CAT - Deg. C	1	13	13				
	2	11	11				
MSDP - in. H_2O	1						
	2						
OAT - Deg. C		13	13				
Fuel Wt. - Lb/Gal.		5.82 LB/GAL @ 15.85 °C					
Engine StartGr. Wt. -Lb		26,000					
dh/dt - FT/MIN		838	745				
HEADING		20°	200°				

Remarks:

DATE: 3 FEB 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST SINGLE ENGINE SAWTOOTH CLIMB AT 2,500 FT							
Flight No.		13	—	—	—	—	→
Run No.		1	3	4	5	6	7
Airspeed - Kts.		106.0	97.0	90.5	82.0	90.0	98.5
Altitude - Ft.		2,500	—	—	—	—	→
Fuel Time - Sec.	1						
	2						
Fuel Used - Gal.	1	12.7	12.8	12.9	13.0	13.0	14.9
	2	24.0	46.4	60.1	71.9	90.3	112.4
Engine RPM	1	0	—	—	—	—	→
	2	2550	2550	2530	2550	2550	2550
Manifold Pres - in. Hg.	1	—	—	—	—	—	—
	2	42.2	42.2	42.2	42.25	42.25	42.2
CAT - Deg. C	1	—	—	—	—	—	—
	2	+12	+12	+13	+12	+12	+12
MSDP - in. H_2O	1						
	2						
OAT - Deg. C		13.9	15	13.9	13.9	13.9	12.8
Fuel Wt. - Lb/Gal.		5.85 LB/GAL @ 12.25 °C					
Engine StartGr. Wt. -Lb		25,980					
dh/dt - FT/MIN		250	275	325	300	300	350
HEADING		35°	215°	35°	35°	215°	15°

Remarks:
NUMBER 1 PROPELLER FEATHERED

DATE: 16 FEB 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST SINGLE ENGINE SAWTOOTH CLIMB AT 2,500 FT.							
Flight No.		13					
Run No.		9					
Airspeed - Kts.		87.5					
Altitude - Ft.		2,500					
Fuel Time - Sec.	1						
	2						
Fuel Used - Gal.	1	15.0					
	2	138.2					
Engine RPM	1	0					
	2	2540					
Manifold Pres - in. Hg.	1	—					
	2	42.1					
CAT - Deg. C	1	—					
	2	+14					
MSDP - in. H_2O	1						
	2						
OAT - Deg. C		11.8					
Fuel Wt. - Lb/Gal.		5.85	LB/GAL @ 12.25 °C				
Engine Start Gr. Wt. -Lb		25,980					
dh/dt - FT/MIN		360					
HEADING		35°					

Remarks:

DATE: 16 FEB 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST SINGLE ENGINE SAWTOOTH CLIMB AT 2,500 FT							
Flight No.		15	——→	——→	——→		
Run No.		1	2	3	6		
Airspeed - Kts.		98.0	94.8	90.8	85.0		
Altitude - Ft.		2,500	——→	——→	——→		
Fuel Time - Sec.	1						
	2						
Fuel Used - Gal.	1	24.8	24.9	24.9	25.0		
	2	35.3	42.5	49.6	77.7		
Engine RPM	1	2400	2200	2100	1000		
	2	2550	——→	——→	——→		
Manifold Pres - in. Hg.	1	—	—	—	—		
	2	42.4	42.3	42.5	42.3		
CAT - Deg. C	1	—	—	—	—		
	2	8	8	9	8		
MSDP - in. H_2O	1						
	2						
OAT - Deg. C		9.5	——→	——→	——→		
Fuel Wt. - Lb/Gal.		5.87 LB/GAL @ 10.25 °C					
Engine StartGr. Wt. -Lb		26,370					
dh/dt - FT/MIN		0	0	50	85		
HEADING		NORTH	NORTH	NORTH	SOUTH		

Remarks:
NUMBER 1 PROPELLER WINDMILLING

DATE: 17 FEB 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST SINGLE ENGINE SAWTOOTH CLIMB AT 2,500 FT							
Flight No.		15	—	—	→		
Run No.		1	2	3	4		
Airspeed - Kts.		103.0	83.0	100.0	75.0		
Altitude - Ft.		2,500	—	—	→		
Fuel Time - Sec.	1						
	2						
Fuel Used - Gal.	1	38.9	42.8	49.2	57.0		
	2	105.3	121.2	137.7	156.2		
Engine RPM	1	1260	1100	1400	1900		
	2	2550	2540	2550	2550		
Manifold Pres - in. Hg.	1	—	—	—	—		
	2	42.1	42.1	42.2	42.2		
CAT - Deg. C	1	—	—	—	—		
	2	9	8	8	8		
MSDP - in. H_2O	1						
	2						
OAT - Deg. C		9.5	—	—	→		
Fuel Wt. - Lb/Gal.		5.87	LB/GAL @	10.25	°C		
Engine StartGr. Wt. -Lb		26,370					
dh/dt - FT/MIN		-300	-350	-600	-200		
HEADING		0°	0°	0°	0°		

Remarks: NUMBER 1 PROPELLER WINDMILLING
LANDING GEAR EXTENDED
15 DEGREES FLAPS

DATE: 17 FEB 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		CHECK CLIMB					
Flight No.		22	—	—	—	—	→
~~Run No.~~ TIME MIN-SEC		07:17:91	18:56.5	19:40	20:07	20:73	21:40
Airspeed - Kts.		98.0	—	—	—	→	97.0
Altitude - Ft.		3020	4020	5015	6000	6990	7985
Fuel Time - Sec.	1						
	2						
Fuel Used - Gal.	1	9.7	11.6	13.6	15.1	17.0	18.5
	2	11.1	12.9	14.8	16.3	18.0	19.4
Engine RPM	1	2550	—				→
	2	2550	—				→
Manifold Pres - in. Hg.	1	41.95	42.05	42.45	42.05	40.76	39.59
	2	42.0	42.0	42.2	41.0	40.0	38.5
CAT - Deg. C	1	15.5	12.3	12.3	12.3	10.3	10.3
	2	15.5	12.3	12.3	12.3	10.3	10.3
MSDP - in. H_2O	1						
	2						
OAT - Deg. C		11.6	11.6	11.6	9.5	9.5	7.4
Fuel Wt. - Lb/Gal.		5.82 LB/GAL @ 12.8 °C					
Engine Start Gr. Wt. - Lb		26,400					

Remarks:

DATE: 11 MAR 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		CHECK CLIMB					
Flight No.		22	—				→
~~Run No.~~ TIME-MIN-SEC		22:24	23:14	23:92	24:89	25:93.5	26:98
Airspeed - Kts.		98.0	97.5	97.0	98.0	97.0	98.0
Altitude - Ft.		8975	9975	10970	11965	12965	13955
Fuel Time - Sec.	1						
	2						
Fuel Used - Gal.	1	20.5	22.4	24.0	25.9	27.8	29.6
	2	21.2	22.9	24.3	26.1	27.8	29.4
Engine RPM	1	2550	—				→
	2	2550	—				→
Manifold Pres - in. Hg.	1	37.82	36.65	35.57	34.09	32.92	31.96
	2	37.2	35.7	34.9	33.2	32.4	31.3
CAT - Deg. C	1	8.2	6.1	6.1	3.1	0	-2.0
	2	8.2	6.1	6.1	3.1	0	-2.0
MSDP - in. H_2O	1						
	2						
OAT - Deg. C		5.3	1.0	1.0	-1.1	-1.1	-3.1
Fuel Wt. - Lb/Gal.		5.82	LB/GAL @ 12.8 °C				
Engine Start Gr. Wt. - Lb		26,400					

Remarks:

DATE: 11 MAR 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		CHECK CLIMB					
Flight No.		22	←	←	←	←	←
~~Run No.~~ TIME MIN-SEC		28:15	29:50	31:03	32:48.5	34:17	36:04
Airspeed - Kts.		96.0	97.0	97.5	96.0	96.0	96.0
Altitude - Ft.		14950	15950	16940	17935	18930	19915
Fuel Time - Sec.	1						
	2						
Fuel Used - Gal.	1	31.6	33.7	36.1	38.2	37.6	43.0
	2	31.2	33.2	35.4	37.4	39.6	41.8
Engine RPM	1	2550	←	←	←	←	←
	2	2550	←	←	←	←	←
Manifold Pres - in. Hg.	1	30.78	29.69	28.63	27.79	26.62	25.75
	2	30.0	29.0	27.9	27.0	26.0	25.0
CAT - Deg. C	1	-4.0	-6.0	-8.0	-10.0	-13.0	-15.0
	2	-4.0	-6.0	-8.0	-10.0	-13.0	-15.0
MSDP - in. H_2O	1						
	2						
OAT - Deg. C		-7.2	-9.3	-11.3	-11.3	-13.4	-16.6
Fuel Wt. - Lb/Gal.		5.82 LB/GAL @ 12.8 °C					
Engine StartGr. Wt. -Lb		26,400					

Remarks:

DATE: 11 MAR 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		CHECK CLIMB					
Flight No.		22	———	———	———	———	→
~~Run No.~~ TIME MIN-SEC		36:35	38:05	39:06.5	40:50	42:10	43:65.5
Airspeed - Kts.		97.0	97.0	97.0	97.5	97.0	97.0
Altitude - Ft.		20415	20915	21415	21915	22415	22915
Fuel Time - Sec.	1						
	2						
Fuel Used - Gal.	1	44.2	45.7	47.0	48.7	50.6	52.5
	2	42.9	44.3	45.5	47.1	48.8	50.5
Engine RPM	1	2550	———	———	———	———	→
	2	2550	———	———	———	———	→
Manifold Pres - in. Hg.	1	25.26	24.68	24.30	23.92	23.34	23.05
	2	24.5	23.8	23.5	23.0	22.5	22.2
CAT - Deg. C	1	-15.0	-18.0	-18.0	-19.0	-20.0	-21.0
	2	-15.0	-18.0	-18.0	-19.0	-20.0	-21.0
MSDP - in. H_2O	1						
	2						
OAT - Deg. C		-19.7	-19.7	-19.7	-21.9	-21.9	-22.9
Fuel Wt. - Lb/Gal.		5.82 LB/GAL @ 12.8 °C					
Engine Start Gr. Wt. -Lb		26,400					

Remarks:

DATE: 11 MAR 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		CHECK CLIMB					
Flight No.		22	———				→
~~Run No.~~ TIME MIN:SEC		44:70.5	45:42	46:41.5	47:17	48:68	49:76.5
Airspeed - Kts.		97.0	96.0	96.0	97.0	97.0	97.0
Altitude - Ft.		23165	23415	23665	23915	24160	24405
Fuel Time - Sec.	1						
	2						
Fuel Used - Gal.	1	53.7	54.5	55.6	56.9	58.2	59.3
	2	51.6	52.3	53.4	54.6	55.7	56.9
Engine RPM	1	2550	———				→
	2	2550	———				→
Manifold Pres - in. Hg.	1	22.76	22.57	22.28	22.08	21.89	21.70
	2	22.0	21.75	21.5	21.5	21.6	21.2
CAT - Deg. C	1	-21.0	-22.0	-22.0	-25.0	-26.0	-26.0
	2	-21.0	-22.0	-22.0	-25.0	-26.0	-26.0
MSDP - in. H_2O	1						
	2						
OAT - Deg. C		-25.1	-25.1	-26.1	-26.1	-27.2	-28.3
Fuel Wt. - Lb/Gal.		5.82 LB/GAL @ 12.8 °C					
Engine Start Gr. Wt. -Lb		26,400					

Remarks:

DATE: 11 MAR 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH - S/N 57-3079

TEST		CHECK CLIMB					
Flight No.		22	———	———	——►		
~~Run No.~~ TIME MIN-SEC		50:85	52:52.5	54:28	56:42.5		
Airspeed - Kts.		97.0	97.0	97.0	97.0		
Altitude - Ft.		24650	24900	25145	25360		
Fuel Time - Sec.	1						
	2						
Fuel Used - Gal.	1	60.5	62.3	64.1	66.0		
	2	57.9	59.6	61.4	62.9		
Engine RPM	1	2550	———	———	——►		
	2	2550	———	———	——►		
Manifold Pres - in. Hg.	1	21.6	21.3	21.11	21.0		
	2	20.9	20.5	20.3	20.2		
CAT - Deg. C	1	-26.0	-26.0	-28.0	-29.0		
	2	-26.0	-26.0	-28.0	-29.0		
MSDP - in. H_2O	1						
	2						
OAT - Deg. C		-30.4	-30.4	-30.4	-30.4		
Fuel Wt. - Lb/Gal.		5.82 LB/GAL @ 12.8 °C					
Engine Start Gr. Wt. -Lb		26,400					

Remarks:

DATE: 11 MAR 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		CHECK CLIMB					
Flight No.		29	→	→	→	→	→
~~Run No.~~ TIME MIN-SEC		06:55:00	55:43	56:25	57:12	58:00	58:46
Airspeed - Kts.		95.5	98.0	97.0	97.5	98.0	98.0
Altitude - Ft.		3015	4010	5000	6000	6990	7985
Fuel Time - Sec.	1						
	2						
Fuel Used - Gal.	1	7.6	9.4	11.1	13.3	15.1	16.9
	2	7.3	9.1	10.8	12.8	14.8	16.1
Engine RPM	1	2560	→	→	→	→	→
	2	2540	→	→	→	→	→
Manifold Pres - in. Hg.	1	42.22	42.22	42.12	41.75	40.56	39.19
	2	42.2	42.2	42.1	41.0	39.7	38.3
CAT - Deg. C	1	21.7	22.7	20.8	18.6	18.6	14.45
	2	22.0	22.0	22.0	20.0	18.0	15.0
MSDP - in. H_2O	1						
	2						
OAT - Deg. C		20.4	20.4	20.4	18.2	15.0	11.7
Fuel Wt. - Lb/Gal.		5.76 LB/GAL @ 24.4°C					
Engine StartGr. Wt. -Lb		26 470					

Remarks:

DATE: 5 APRIL 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		CHECK CLIMB					
Flight No.		29	—				→
~~Run No.~~ TIME MIN-SEC		59:36	1:00:26	01:24	02:20	03:25	04:35
Airspeed - Kts.		97.0	95.5	97.5	96.5	96.5	97.5
Altitude - Ft.		8975	9975	10970	11965	12965	13955
Fuel Time - Sec.	1						
	2						
Fuel Used - Gal.	1	18.6	20.4	22.3	24.2	26.3	28.4
	2	17.8	19.2	20.9	22.6	24.5	26.4
Engine RPM	1	2560	—				→
	2	2540	2550	—			→
Manifold Pres - in. Hg.	1	38.01	36.94	35.48	34.3	32.24	31.74
	2	37.0	35.2	34.4	33.2	31.8	31.0
CAT - Deg. C	1	12.3	10.2	9.2	6.15	2.05	0.0
	2	13.0	12.0	8.0	8.0	4.0	1.0
MSDP - in. H_2O	1						
	2						
OAT - Deg. C		13.9	8.4	6.3	3,1	2,1	-1.0
Fuel Wt. - Lb/Gal.		5.76	LB/GAL @	24.4°C			
Engine StartGr. Wt. -Lb		26470					

Remarks:

DATE: 5 APRIL 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		CHECK CLIMB					
Flight No.		29	———				——→
~~Run No.~~ TIME MIN-SEC		05:48	07:08	08:32	09:18	10:06	10:55
Airspeed - Kts.		95.5	97.0	97.0	97.0	96.5	95.5
Altitude - Ft.		14950	15945	16935	17435	17935	18435
Fuel Time - Sec.	1						
	2						
Fuel Used - Gal.	1	30.2	32.3	34.4	35.6	36.7	37.9
	2	28.0	29.9	31.7	32.8	34.0	34.8
Engine RPM	1	2560	———				——→
	2	2550	———				——→
Manifold Pres - in. Hg.	1	30.82	29.73	28.85	28.27	27.51	27.02
	2	30.0	29.0	28.0	27.2	26.9	26.4
CAT - Deg. C	1	-2.0	-4.0	-6.0	-8.0	-8.0	-10.0
	2	-1.0	-4.0	-6.0	-6.0	-8.0	-9.0
MSDP - in. H_2O	1						
	2						
OAT - Deg. C		-5.2	-6.2	-6.2	-11.3	-11.3	-11.3
Fuel Wt. - Lb/Gal.		5.76	LB/GAL @ 24.4 °C				
Engine StartGr. Wt. -Lb		26470					

Remarks:

DATE: 5 APRIL 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		CHECK CLIMB					
Flight No.		29	—	—	—	—	→
~~Run No.~~ TIME MIN-SEC		11:43	12:43	13:37	14:53	16:05	17:18
Airspeed - Kts.		97.0	97.0	97.5	97.5	97.0	97.0
Altitude - Ft.		18935	19420	19915	20415	20915	21415
Fuel Time - Sec.	1						
	2						
Fuel Used - Gal.	1	39.0	40.3	41.7	43.4	44.7	46.4
	2	35.8	37.0	38.3	39.6	40.9	42.3
Engine RPM	1	2560	—	—	—	—	→
	2	2550	—	—	—	—	→
Manifold Pres - in. Hg.	1	26.53	26.04	25.46	24.97	24.58	24.1
	2	25.9	25.3	24.8	24.3	23.9	23.4
CAT - Deg. C	1	-11.0	-12.0	-12.0	-14.0	-14.0	-16.0
	2	-10.0	-11.0	-13.0	-12.0	-16.0	-14.0
MSDP - in. H_2O	1						
	2						
OAT - Deg. C		-12.4	-15.5	-15.5	-16.6	-16.6	-17.6
Fuel Wt. - Lb/Gal.		5.76	LB/GAL	@ 24.4°C			
Engine Start Gr. Wt. -Lb		2647	0				

Remarks:

DATE: 5 APRIL 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST							
Flight No.		29					→
~~Run No.~~ TIME MIN SEC					20:54	21:49	22:48
Airspeed - Kts.					97.0	97.5	97.5
Altitude - Ft.					23165	23215	23165
Fuel Time - Sec.	1						
	2						
Fuel Used - Gal.	1					51.7	52.9
	2					47.1	48.0
Engine RPM	1	2360					→
	2	2350					→
Manifold Pres - in. Hg.	1	23.73	23.44	23.24	23.15	22.86	22.66
	2	23.0	22.8	22.4	22.4	22.2	22.0
CAT - Deg. C	1					-18.0	-20.0
	2					-18.0	-19.0
MSDP - in. H_2O	1						
	2						
OAT - Deg. C					-21.9	-21.9	-22.9
Fuel Wt. - Lb/Gal.							
Engine StartGr. Wt. - Lb							

Remarks:

DATE: 5 APRIL 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		CHECK CLIMB					
Flight No.		29	—	—	—	—	"
~~Run No.~~ TIME MIN-SEC		23'48	24'39	25'57	27'21	28'25	29'26
Airspeed - Kts.		98.0	98.0	97.0	97.5	97.0	96.0
Altitude - Ft.		23415	23665	23915	24160	24405	24655
Fuel Time - Sec.	1						
	2						
Fuel Used - Gal.	1	54.0	55.0	56.5	58.1	59.2	60.3
	2	49.0	49.9	51.1	52.6	53.6	54.6
Engine RPM	1	2560	—				"
	2	2550	—				"
Manifold Pres - in. Hg.	1	22.46	22.26	22.07	21.78	21.59	21.49
	2	21.6	21.5	21.4	21.1	21.0	20.7
CAT - Deg. C	1	-20.0	-21.0	-22.0	-23.0	-24.0	-24.0
	2	-20.0	-19.0	-22.0	-22.0	-23.0	-23.0
MSDP - in. H_2O	1						
	2						
OAT - Deg. C		-22.9	-24.0	-25.1	-26.1	-28.3	-28.3
Fuel Wt. - Lb/Gal.		5.76 LB/GAL @ 24.4 °C					
Engine StartGr. Wt. -Lb		26470					

Remarks:

DATE: 5 APRIL 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		CHECK CLIMB					
Flight No.		29	———	———	———	——→	
~~Run No.~~ Time MIN-SEC.		30'43	32'08	33'24	36'37	40'38	
Airspeed - Kts.		97.5	97.0	97.0	98.0	97.0	
Altitude - Ft.		24700	25145	25395	25640	25885	
Fuel Time - Sec.	1						
	2						
Fuel Used - Gal.	1	61.7	63.2	64.5	67.8	71.8	
	2	55.8	57.3	58.4	61.3	65.1	
Engine RPM	1	2560	———	———	———	——→	
	2	2550	———	———	———	——→	
Manifold Pres - in. Hg.	1	21.30	21.11	20.77	20.35	20.33	
	2	20.5	20.3	20.01	20.0	19.7	
CAT - Deg. C	1	-24.0	-24.0	-23.0	-23.0	-24.0	
	2	-26.0	-24.0	-24.0	-24.0	-22.0	
MSDP - in. H_2O	1						
	2						
OAT - Deg. C		-28.3	-27.2	-28.3	-27.2	-27.2	
Fuel Wt. - Lb/Gal.		5.76	LB/GAL	@	24.4 °C		
Engine Start Gr. Wt. -Lb		26470					

Remarks:

DATE: 5 APRIL 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST	SINGLE ENGINE CHECK CLIMB					
Flight No.	31	———	———	———	———	———
~~Run No.~~ TIME MIN-SEC.	07:05.00	06:00	06:57	09:15.5	10:43	11:42
Airspeed - Kts.	94.5	94.5	93.5	94.5	95.5	94.5
Altitude - Ft.	3025	3273	3522	4020	4268	4516
Fuel Time - Sec. 1						
Fuel Time - Sec. 2						
Fuel Used - Gal. 1	5.8	5.8	5.8	5.9	5.9	5.9
Fuel Used - Gal. 2	14.0	16.1	18.2	23.7	27.2	29.4
Engine RPM 1	0	———	———	———	———	———
Engine RPM 2	2550	———	———	———	———	———
Manifold Pres - in. Hg. 1						
Manifold Pres - in. Hg. 2	42.2	42.0	42.2	42.2	42.0	42.0
CAT - Deg. C 1						
CAT - Deg. C 2	22.9	25.3	24.35	24.74	24.25	23.85
MSDP - in. H_2O 1						
MSDP - in. H_2O 2						
OAT - Deg. C	20.4	21.4	22.4	20.4	20.4	20.4
Fuel Wt. - Lb/Gal.	5.80	43/6 GAL @ 17.8°C				
Engine StartGr. Wt. -Lb	26460					

Remarks: LEFT PROPELLER FEATHERED

DATE: 6 APRIL 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST	SINGLE ENGINE STALL CLIMB					
Flight No.	31					→
~~Run No.~~ Time Min Sec	[illegible]	13 45	15 46	16:25	17:28	18:48
Airspeed - Kts.	94.6				→	93.5
Altitude - Ft.	[illegible]	[illegible]	[illegible]	5510	5750	6000
Fuel Time - Sec. 1						
Fuel Time - Sec. 2						
Fuel Used - Gal. 1	5.9	6.0				
Fuel Used - Gal. 2	31.6	34.5	37.7	40.7	42.9	45.9
Engine RPM 1	0					→
Engine RPM 2	2550					→
Manifold Pres - in. Hg. 1						
Manifold Pres - in. Hg. 2	42.0	42.2			→	41.7
CAT - Deg. C 1						
CAT - Deg. C 2	23.85	22.8	[illegible]	21.3	20.78	20.37
MSDP - in. H_2O 1						
MSDP - in. H_2O 2						
OAT - Deg. C	20.4	19.3	[illegible]	18.2	18.2	18.2
Fuel Wt. - Lb/Gal.	5.80	45/6.0	@ 19.5 °C			
Engine StartGr. Wt. -Lb	[illegible]					
Remarks:						
DATE: 6 APRIL 1960						

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		SINGLE ENGINE CHECK CLIMB					
Flight No.		31	———	———	———	———	→
~~Run No.~~ TIME MIN. SEC		20:36	21:38	22:37	24:27	25:33	26:25
Airspeed - Kts.		93.5	93.5	94.0	93.5	92.5	93.5
Altitude - Ft.		6250	6490	6740	6990	7240	7490
Fuel Time - Sec.	1						
	2						
Fuel Used - Gal.	1	6.0	6.0	6.1	———	———	→
	2	49.8	52.1	54.4	58.3	60.8	62.4
Engine RPM	1	0	———	———	———	———	→
	2	2550	———	———	———	———	→
Manifold Pres - in. Hg.	1						
	2	41.4	41.1	40.7	40.3	40.0	39.7
CAT - Deg. C	1						
	2	19.82	18.25	17.7	17.75	16.61	16.13
MSDP - in. H_2O	1						
	2						
OAT - Deg. C		16.0	16.0	18.2	13.9	11.7	11.7
Fuel Wt. - Lb/Gal.		5.80	LB/GAL	@ 17.8°C			
Engine Start Gr. Wt. -Lb		26460					

Remarks:

DATE: 6 APRIL 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST							
Flight No.							→
Run No.						34:17	36:58
Airspeed - Kts.						94.0	94.5
Altitude - Ft.						8730	8980
Fuel Time - Sec.	1						
	2						
Fuel Used - Gal.	1					→	6.2
	2				73.8	78.2	83.2
Engine RPM	1	0					→
	2	2550					→
Manifold Pres - in. Hg.	1						
	2	39.4	39.0	38.7	38.2	37.8	37.6
CAT - Deg. C	1						
	2					14.35	14.35
MSDP - in. H_2O	1						
	2						
OAT - Deg. C		11.7			10.6	9.5	9.5
Fuel Wt. - Lb/Gal.		5.80					
Engine Start Gr. Wt. - Lb							

Remarks:

DATE: 6 APRIL 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		SINGLE ENGINE CHECK CLIMB					
Flight No.		31	—	—	—	—	—
~~Run No.~~ TIME MIN-SEC		38:55	41:30	44:03	47:57	51:33	57:01.5
Airspeed - Kts.		94.5	94.5	94.0	93.5	94.5	94.0
Altitude - Ft.		9225	9475	9725	9975	10220	10470
Fuel Time - Sec.	1						
	2						
Fuel Used - Gal.	1	6.2	—	—	—	—	—
	2	87.0	91.6	96.7	103.9	110.4	120.1
Engine RPM	1	0	—	—	—	—	—
	2	2550	—	—	—	—	—
Manifold Pres - in. Hg.	1						
	2	37.2	36.9	36.5	36.2	35.9	35.5
CAT - Deg. C	1						
	2	13.0	11.95	11.95	11.5	10.38	9.87
MSDP - in. H_2O	1						
	2						
OAT - Deg. C		9.5	8.5	9.5	8.5	8.5	8.5
Fuel Wt. - Lb/Gal.		5.80 LB/GAL @ 17.8 °C					
Engine Start Gr. Wt. -Lb		2646 0					

Remarks:

DATE: 6 APRIL 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		SINGLE ENGINE CHECK CLIMB					
Flight No.		24	—				→
~~Run No.~~ TIME MIN SEC		0705.00	06.41	08:23	10:14	12:09	13:57
Airspeed - Kts.		94.5	94.5	97.0	98.0	97.0	98.0
Altitude - Ft.		2525	3025	3520	4020	4520	5015
Fuel Time - Sec.	1						
	2						
Fuel Used - Gal.	1	8.2	—				→
	2	14.4	18.8	23.0	27.9	31.9	36.3
Engine RPM	1	0	—				→
	2	2550	—				→
Manifold Pres - in. Hg.	1						
	2	42.2	42.4	42.0	42.3	42.3	42.1
CAT - Deg. C	1						
	2	7.5	7.5	9.5	9.5	7.5	5.5
MSDP - in. H_2O	1						
	2						
OAT - Deg. C		9.5	—				→
Fuel Wt. - Lb/Gal.		5.8	LB/GAL @	16.4 °C			
Engine StartGr. Wt. -Lb		26170					

Remarks: LEFT PROPELLER FEATHERED

DATE: 14 MAR 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		SINGLE ENGINE CHECK CLIMB					
Flight No.		24	→	→	→	→	→
~~Run No.~~ TIME MIN-SEC		14:56	15:40	16:24	17:18	18:24	19:23
Airspeed - Kts.		97.0	→	→	→	→	95.5
Altitude - Ft.		5260	5505	5750	6000	6245	6495
Fuel Time - Sec.	1						
	2						
Fuel Used - Gal.	1	8.2	→	→	→	→	→
	2	38.3	40.3	42.1	44.3	46.9	48.9
Engine RPM	1	0	→	→	→	→	→
	2	2550	→	→	→	→	→
Manifold Pres - in. Hg.	1						
	2	42.1	42.3	42.2	42.0	41.4	41.3
CAT - Deg. C	1						
	2	5.5	5.0	5.0	4.0	4.0	4.0
MSDP - in. H_2O	1						
	2						
OAT - Deg. C		5.5	5.5	3.0	→	→	→
Fuel Wt. - Lb/Gal.		5.81	LB/GAL	@ 16.4°C			
Engine StartGr. Wt. -Lb		26170					

Remarks:

DATE: 14 MAR 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		SINGLE ENGINE CHECK CLIMB					
Flight No.		24	"	"	"	"	"
Run No. Time Min Sec		20:35	21:45	22:57	24:04	24:58	26:45
Airspeed - Kts.		97.0	95.5	95.5	96.0	95.5	97.0
Altitude - Ft.		6740	6990	7240	7485	7735	7985
Fuel Time - Sec.	1						
	2						
Fuel Used - Gal.	1	8.2	"	"	"	"	"
	2	52.0	54.5	57.5	59.8	61.7	65.6
Engine RPM	1	0					
	2	2540	"	"	"	2545	2545
Manifold Pres - in. Hg.	1						
	2	41.0	40.5	40.2	40.0	39.7	39.2
CAT - Deg. C	1						
	2	4.0	2.0	2.0	2.0	1.0	2.0
MSDP - in. H_2O	1						
	2						
OAT - Deg. C		3.0	3.0	3.0	1.0	1.0	2.0
Fuel Wt. - Lb/Gal.		5.84 LB/GAL @ 16.4°C					
Engine StartGr. Wt. -LB		2617.0					

Remarks:

DATE: 14MAR1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		SINGLE ENGINE CHECK CLIMB					
Flight No.		24	—				→
~~Run No.~~ Time MIN-SEC		28:30	30:34	31.40	34.20	36:11	38:35
Airspeed - Kts.		97.0	95.5	95.5	97.0	95.5	95.5
Altitude - Ft.		8230	8480	8725	8975	9225	9475
Fuel Time - Sec.	1						
	2						
Fuel Used - Gal.	1	8.2	—			→	8.2
	2	69.4	73.7	76.1	81.5	85.7	90.5
Engine RPM	1	0	—				→
	2	2545	—				→
Manifold Pres - in. Hg.	1						
	2	39.0	38.7	38.3	38.0	37.6	37.4
CAT - Deg. C	1						
	2	0.0	0.0	0.0	-1.0	-1.0	-2.0
MSDP - in. H_2O	1						
	2						
OAT - Deg. C		1.0	1.0	-1.0	—	—	→
Fuel Wt. - Lb/Gal.		5.81	LB/GAL @ 16.4 °C				
Engine Start Gr. Wt. -Lb		2670					

Remarks:

DATE: 14 MAR 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		SINGLE ENGINE CHECK CLIMB					
Flight No.		24	—	—	—	—	
Run No. TIME MIN-SEC		39.48	42:00	43 31	44.50	49.15	
Airspeed - Kts.		95.5	95.5	95.0	95.5	97.0	
Altitude - Ft.		9725	9975	10225	10470	10720	
Fuel Time - Sec.	1						
	2						
Fuel Used - Gal.	1	8.2	—	—	—	—	
	2	93.2	97.3	100.3	103.2	111.4	
Engine RPM	1	0	—	—	—	—	
	2	2545	—	—	—	—	
Manifold Pres - in. Hg.	1						
	2	37.0	36.6	36.3	36.0	35.7	
CAT - Deg. C	1						
	2	-2.0	-3.0	-4.0	-4.0	-4.0	
MSDP - in. H_2O	1						
	2						
OAT - Deg. C		-1.0	-1.0	-3.0	-3.0	-3.0	
Fuel Wt. - Lb/Gal.		5.81	LB/GAL @ 16.4 °C				
Engine StartGr. Wt. -Lb							

Remarks:

DATE: 14 MAR 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		SINGLE ENGINE DRIFT DOWN					
Flight No.		22	—	—	—	—	→
~~Run No.~~ TIME MIN-SEC		08:06.10	07:98	10:41	12:16	14:00	15:65
Airspeed - Kts.		95.5	96.0	95.5	95.5	95.0	95.5
Altitude - Ft.		17895	17395	16995	16650	16400	16150
Fuel Time - Sec.	1						
	2						
Fuel Used - Gal.	1	68.9	—	—	—	—	→
	2	72.8	75.3	78.7	81.0	83.9	86.4
Engine RPM	1	0	—	—	—	—	→
	2	2550	2520	2540	2540	2550	2550
Manifold Pres - in. Hg.	1						
	2	26.9	27.6	28.0	28.2	28.5	28.8
CAT - Deg. C	1						
	2	-10.0	-10.0	-10.0	-10.0	-9.0	-9.0
MSDP - in. H_2O	1						
	2						
OAT - Deg. C		-13.4	-11.3	—	—	—	→
Fuel Wt. - Lb/Gal.		5.82	LB/GAL	@ 12.8 °C			
Engine Start Gr. Wt. -Lb		26,400					

Remarks: LEFT PROPELLER FEATHERED

DATE: 11 MAR 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		SINGLE ENGINE DRIFT DOWN					
Flight No.		22	→	→			
~~Run No.~~ TIME MIN:SEC		17.00	18.82	21.56			
Airspeed - Kts.		95.5	95.5	95.5			
Altitude - Ft.		15910	15660	15410			
Fuel Time - Sec.	1						
	2						
Fuel Used - Gal.	1	69.0	→	→			
	2	88.2	90.8	94.8			
Engine RPM	1	0	→	→			
	2	2550	2550	2540			
Manifold Pres - in. Hg.	1						
	2	29.0	29.2	29.5			
CAT - Deg. C	1						
	2	-8.0	→	→			
MSDP - in. H_2O	1						
	2						
OAT - Deg. C		-10.3	-9.3	-7.2			
Fuel Wt. - Lb/Gal.		5.82	LB/GAL	@ 12.8 °C			
Engine Start Gr. Wt. -Lb		26,400					

Remarks:

DATE: 11 MAR 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		SPEED POWER					
Flight No.		4	—	—	—	—	→
Run No.		1	2	3	4	7	8
Airspeed - Kts.		169.0	151.0	139.5	137.5	121.0	110.0
Altitude - Ft.		5000	5000	5010	5000	4925	5025
Fuel Time - Sec. (FOR 50 COUNTS)	1	33.8	53.0	85.4	95.4	130.7	152.2
	2	34.6	53.0	84.0	94.6	125.4	137.5
Fuel Used - Gal.	1						
	2						
Engine RPM	1	2560	2250	2010	1910	1830	1820
	2	2550	2250	2020	1910	1830	1830
Manifold Pres - in. Hg.	1	42.25	34.88	31.68	31.48	26.95	24.34
	2	42.5	35.0	31.7	31.5	27.3	24.4
CAT - Deg. C	1	4	5	4	4	2	1
	2	4	5	4	4	2	1
MSDP - in. H_2O	1	59.5	30.7	18.0	16.1	9.2	6.7
	2	56.8	29.9	18.0	15.9	9.45	7.1
OAT - Deg. C		+3	+3	+2	+3	+1	-1
Fuel Wt. - Lb/Gal.		5.84	LB/GAL	@ 10°C			
Engine Start Gr. Wt. -Lb		27,000					
TOTALIZER - CTS	1	678	1100	1300	1495	1844	1960
	2	776	1190	1390	1587	1950	2080
RUN	1	.0300	.0303	.0297	.0298	.0301	.0307
TOTALIZER - GAL/CT	2	.0298	.0302	.0300	.0302	.0302	.0304
FUEL MIXTURE		RICH	RICH	LEAN	—	—	→
ΔW TOTAL - LBS.		1256 — AS WEIGHED					

Remarks:
AVERAGE TOTALIZER - GAL/CT (1) .0304
(2) .0301

DATE: 18 JAN 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		SPEED POWER					
Flight No.		4	→	→			
Run No.		9	10	11			
Airspeed - Kts.		103.5	84.7	76.0			
Altitude - Ft.		5000	4900	5100			
Fuel Time - Sec. (FOR 50 COUNTS)	1	157.0	186.9	158.0	← TIME FOR 40 COUNTS →		
	2	149.2	161.6	136.0			
Fuel Used - Gal.	1						
	2						
Engine RPM	1	1820	1820	1820			
	2	1825	1825	1825			
Manifold Pres - in. Hg.	1	23.4	20.78	20.78			
	2	23.0	21.0	20.9			
CAT - Deg. C	1	2	2	1			
	2	2	2	1			
MSDP - in. H_2O	1	5.8	3.85	3.95			
	2	5.9	4.4	4.4			
OAT - Deg. C		-1	-1	-1			
Fuel Wt. - Lb/Gal.		5.84 LB/GAL @ 10 °C					
Engine Start Gr. Wt. -Lb		27,000					
TOTALIZER - CTS	1	2060	2150	2315	END OF	3677	R
	2	2180	2293	2475	FLT	3350	L
RUN TOTALIZER - GAL/CT	1	.0308	.0314	.0316			
	2	.0308	.0310	.0312			
FUEL MIXTURE		LEAN	→	→			

Remarks: AVERAGE TOTALIZER - GALS/CT (1) .0304
(2) .0301

DATE: 18 JAN 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		SPEED POWER					
Flight No.		5	—	—	—	—	→
Run No.		1	2	3	4	5	6
Airspeed - Kts.		157.5	150.2	136.5	135.0	133.0	126.7
Altitude - Ft.		10000	10010	10050	10050	10050	10040
Fuel Time - Sec. (FOR 45 COUNTS)	1	33.6	46.0	73.2	75.3	84.8	99.8
	2	36.4	47.3	74.0	77.5	86.3	95.4
Fuel Used - Gal.	1						
	2						
Engine RPM	1	2550	2260	2100	2020	2020	1910
	2	2550	2240	2120	2030	2020	1930
Manifold Pres - in. Hg.	1	38.8	35.2	30.2	30.4	29.2	28.4
	2	37.6	34.0	30.0	30.2	28.9	28.3
CAT - Deg. C	1	-2	—	—	—	→	-3
	2	-2	—	—	—	→	-3
MSDP - in. H_2O	1	47.3	31.5	18.9	17.5	15.75	13.3
	2	43.7	29.1	18.6	16.95	15.15	12.95
OAT - Deg. C		-1	-1	-2	-2	0	-3
Fuel Wt. - Lb/Gal.		5.84	LB/GAL @	11.2	°C		
Engine StartGr. Wt. -Lb		27,250					
TOTALIZER-CTS	1	861	1200	1490	1663	1795	1919
	2	836	1157	1441	1613	1738	1863
RUN	1	.0304	.0302	.0302	.0300	.0298	.0301
TOTALIZER-GALS/CT	2	.0301	.0302	.0300	.0300	.0303	.03011
FUEL MIXTURE		RICH	RICH	LEAN	—	—	→
ΔW TOTAL - LBS		2121	- AS WEIGHED				

Remarks:
AVERAGE TOTALIZER - GAL/CT (1) .0304
(2) .0301

4 GALLONS OIL USED

DATE: 19 JAN 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		SPEED POWER					
Flight No.		5	—				→
Run No.		7	8	9	10	12	13
Airspeed - Kts.		117.6	112.5	105.0	98.0	81.5	76.5
Altitude - Ft.		10060	10050	10070	10040	9900	10125
Fuel Time - Sec. (FOR 45 COUNTS)	1	116.5	118.5	130.6	149.7	142.0 40 COUNTS	138.3 40 COUNTS
	2	111.2	116.4	124.0	139.6	129.6	121.8
Fuel Used - Gal.	1						
	2						
Engine RPM	1	1820	1820	1820	1820	1820	1830
	2	1840	1840	1830	1830	1830	1820
Manifold Pres - in. Hg.	1	26.8	25.2	23.2	21.5	19.5	21.2
	2	27.1	25.4	23.5	21.8	19.8	21.8
CAT - Deg. C	1	-4	-4	-4	-3	-4	-4
	2	-4	-4	-4	-3	-4	-4
MSDP - in. H_2O	1	10.3	8.9	7.0	5.5	4.05	5.0
	2	10.1	8.7	7.0	5.7	4.2	5.5
OAT - Deg. C		-3	—			→	-2
Fuel Wt. - Lb/Gal.		5.84 LB/GAL @ 11.2 °C					
Engine Start Gr. Wt. -Lb		27,250					
TOTALIZER - CTS	1	2044	2152	2236	2370	2539	2647
	2	1994	2108	2194	2336	2539	2636
RUN	1	.0301	.0302	.0305	.0310	.0312	.0310
TOTALIZER - GALS/CT	2	.03015	.0302	.0303	.0310	.0311	.0309
FUEL MIXTURE		LEAN	—				→

Remarks: END OF FLT TOTALIZER CTS (1) 5685
(2) 5579

DATE: 19 JAN 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		SPEED POWER					
Flight No.		6	—				→
Run No.		1	2	3	4	5	6
Airspeed - Kts.		141.5	134.0	127.0	117.0	109.5	102.5
Altitude - Ft.		15050	15060	15055	15050	15040	15090
Fuel Time - Sec. (45 COUNTS)	1	45.5	60.6	86.3	112.5	130.6	134.2
	2	48.0	63.2	83.8	104.7	120.2	127.2
Fuel Used - Gal.	1						
	2						
Engine RPM	1	2560	2260	2260	2100	1920	1830
	2	2560	2260	2250	2100	1930	1850
Manifold Pres - in. Hg.	1	31.96	29.6	26.55	24.66	23.1	21.99
	2	31.0	28.2	26.5	24.6	23.1	21.9
CAT - Deg. C	1	-5	-6	-6	-6	-6	-7
	2	-5	-6	-6	-6	-6	-7
MSDP - in. H_2O	1	32.0	21.4	16.6	11.6	8.4	6.6
	2	29.3	19.3	16.15	11.6	8.3	6.4
OAT - Deg. C		-5	-7	—			→
Fuel Wt. - Lb/Gal.		5.85 LB/GAL @ 10.3°C					
Engine Start Gr. Wt. - Lb		26,400					
TOTALIZER - CTS	1	1063	1276	1504	1667	1781	1880
	2	1111	1310	1537	1707	1731	1937
RUN	1	.0302	.0302	.0298	.0301	.0305	.0306
TOTALIZER GALS/CT	2	.0302	.0302	.0302	.03005	.0303	.0305
FUEL MIXTURE		RICH	RICH	LEAN	—		→
ΔW TOTAL - LBS		1822 - AS WEIGHED					

Remarks:
AVERAGE TOTALIZER - GALS/CT (1) .0304
(2) .0301
2.5 GALLONS OIL USED

DATE: 20 JAN 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DM S/N 57-3079

TEST		SPEED POWER					
Flight No.		6	———	———	———		
Run No.		7	8	9	10		
Airspeed - Kts.		69.5	64.0	79.5	74.0		
Altitude - Ft.		15030	15090	15050	15145		
Fuel Time - Sec. (45 COUNTS)	1	143.1	153.0	160.5	142.1		
	2	135.8	146.3	156.5	134.8		
Fuel Used - Gal.	1						
	2						
Engine RPM	1	1800	1810	1810	1830		
	2	1830	1825	1820	1820		
Manifold Pres - in. Hg.	1	20.3	20.2	20.1	21.66		
	2	20.0	19.9	19.8	21.2		
CAT - Deg. C	1	-7	-8	-8	-8		
	2	-7	-8	-8	-8		
MSDP - in. H_2O	1	5.0	5.0	4.9	6.1		
	2	5.2	4.9	4.9	5.7		
OAT - Deg. C		-7	-8.5	-8.5	-8.5		
Fuel Wt. - Lb/Gal.		5.85	LB/GAL	@ 10.3	°C		
Engine Start Gr. Wt. -Lb		26,400					
TOTALIZER - CTS	1	1978	2094	2176	2270	END OF	4655
	2	2042	2169	2256	2360	FLT	4702
RUN	1	.0308	.0310	.0312	.0308		
TOTALIZER GALS/CT	2	.0307	.0310	.0311	.0308		
FUEL MIXTURE		LEAN	———	———	———		

Remarks:

DATE: 20 JAN 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		SPEED POWER					
Flight No.		7	—	—	—	—	—
Run No.		1	2	3	4	5	7
Airspeed - Kts.		126.0	120.0	110.5	110.5	101.0	94.0
Altitude - Ft.		20065	20080	20050	20085	20080	20080
Fuel Time - Sec. (FOR 45 GALS)	1	57.3	79.2	107.5	116.5	126.3	135.1
	2	60.2	81.0	106.6	112.6	120.6	129.6
Fuel Used - Gal.	1						
	2						
Engine RPM	1	2560	2250	2210	2110	2020	1910
	2	2550	2250	2200	2110	2030	1900
Manifold Pres - in. Hg.	1	26.5	24.04	23.45	22.68	21.8	20.92
	2	25.5	23.0	22.5	22.75	21.0	20.2
CAT - Deg. C	1	-15	-16	-18	-18	-16	-18
	2	-18	-20	-20	-20	-20	-22.1
MSDP - in. H_2O	1	21.9	14.55	13.1	11.0	8.8	7.4
	2	20.4	13.2	11.7	9.75	8.2	6.7
OAT - Deg. C		-18	-18	-18	-18	-18	-19
Fuel Wt. - Lb/Gal.		5.86	LB/GAL @ 10°C				
Engine Start Gr. Wt. -Lb		25560					
TOTALIZER - CTS	1	1856	2035	2195	2470	2587	2789
	2	1796	1967	2126	2366	2570	2741
RUN	1	.0300	.0297	.0302	.0301	.0304	.0306
TOTALIZER - GALS/CT	2	.0302	.0301	.03005	.0302	.03025	.0306
FUEL MIXTURE		RICH	RICH	LEAN	—	—	—
ΔW TOTAL - LBS		2040 - AS WEIGHED					

Remarks:

AVERAGE TOTALIZER - GALS/CT (1) .0304
(2) .0301

2 GALLONS OIL USED

DATE: 21 JAN 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		SPEED POWER					
Flight No.		7					
Run No.		8	12				
Airspeed - Kts.		78.0	74.5				
Altitude - Ft.		19940	20070				
Fuel Time - Sec. (45 COUNTS)	1	147.0	163.0				
	2	138.2	148.5				
Fuel Used - Gal.	1						
	2						
Engine RPM	1	1800	1920				
	2	1840	1925				
Manifold Pres - in. Hg.	1	20.02	18.37				
	2	19.6	18.0				
CAT - Deg. C	1	-18	-20				
	2	-22.1	-22.1				
MSDP - in. H_2O	1	5.5	5.0				
	2	5.5	5.0				
OAT - Deg. C		-20	-20				
Fuel Wt. - Lb/Gal.		5.86	LB/GAL @ 10°C				
Engine Start Gr. Wt. -Lb		2556	0				
TOTALIZER - CTS	1	2917	3317	END	5266		
	2	2877	3302	OF FLT	5356		
RUN TOTALIZER - GALS/CT	1	.0308	.0312				
	2	.0308	.0311				
FUEL MIXTURE		LEAN	LEAN				

Remarks:

DATE: 21 JAN 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		SPEED POWER					
Flight No.		8	—				→
Run No.		1	2	3	4	5	6
Airspeed - Kts.		166.2	150.5	141.5	138.1	124.9	122
Altitude - Ft.		4990	4930	4950	4960	4930	4950
Fuel Time - Sec. (FOR 45 COUNTS)	1	31.4	52.4	71.4	83.5	110.2	123
	2	32.2	53.1	78.4	86.5	109.8	122.9
Fuel Used - Gal.	1						
	2						
Engine RPM	1	2550	2250	2000	1910	1820	1820
	2	2550	2250	2000	1915	1835	1830
Manifold Pres - in. Hg.	1	42.05	34.0	31.8	31.6	28.62	27.28
	2	41.8	33.8	31.0	31.4	28.9	27.0
CAT - Deg. C	1	11	12	11	11	11	11
	2	6	7.5	7.5	7.5	7.5	7.5
MSDP - in. H_2O	1	55.2	27.3	18.3	15.4	10.2	8.8
	2	53.1	25.8	17.3	15.0	10.2	8.7
OAT - Deg. C		7.5	9.5	7.5	9.5	9.5	7.5
Fuel Wt. - Lb/Gal.		5.82 LB/GAL @ 14.2°C					
Engine Start Gr. Wt. -Lb		22080					
TOTALIZER - CTS	1	707	983	1194	1352	1474	1611
	2	716	986	1190	1343	1462	1605
RUN	1	.0300	.0302	.0302	.0298	.0301	.0303
TOTALIZER - GALS/CT	2	.0298	.0301	.0300	.0303	.0301	.0303
FUEL MIXTURE		RICH	RICH	LEAN	—	—	→
ΔW TOTAL - LBS		890 - AS WEIGHED					

Remarks:
AVERAGE TOTALIZER GALS/CT (1) .0304
(2) .0301

DATE: 22 JAN 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		SPEED POWER					
Flight No.		8	→	→	→	→	→
Run No.		7	8	9	10	11	12
Airspeed - Kts.		115.3	106.3	96.4	90.8	79.8	67.0
Altitude - Ft.		4975	4975	4960	4970	5035	5085
Fuel Time - Sec. (45 COUNTS)	1	132.4	149.8	167.0	176.0	204.8	184.0
	2	136.2	137.6	146.4	154.7	171.7	158.4
Fuel Used - Gal.	1						
	2						
Engine RPM	1	1810	1820	1810	1810	1810	1820
	2	1830	1830	1830	1830	1830	1830
Manifold Pres - in. Hg.	1	25.03	23.1	21.25	19.61	18.62	19.91
	2	24.8	23.1	21.3	19.8	18.85	19.75
CAT - Deg. C	1	11	11	11	10	10	9
	2	7.5	7	7	6	6	6
MSDP - in. H_2O	1	6.8	5.35	4.0	3.4	2.8	3.4
	2	6.9	5.7	4.5	3.7	3.4	3.7
OAT - Deg. C		7.5	7.5	7.5	7.5	6.5	5.0
Fuel Wt. - Lb/Gal.		5.82 LB/GAL @ 14.2 °C					
Engine Start Gr. Wt. -Lb		22080					
TOTALIZER - CTS	1	1714	1797	1880	1972	2055	2165
	2	1715	1806	1895	1999	2093	2221
RUN	1	.0305	.0309	.0312	.0314	.0320	.0316
TOTALIZER - GALS/CT	2	.0307	.0308	.0311	.03115	.0313	.0312
FUEL MIXTURE		LEAN	→	→	→	→	→

Remarks: END OF FLT TOTALIZER CTR. (1) 2482
(2) 2545

DATE: 22 JAN 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		SPEED POWER					
Flight No.		9	—			—	→
Run No.		1	2	3	4	5	6
Airspeed - Kts.		158.2	150.1	136.6	130.9	125.4	120.0
Altitude - Ft.		9970	10000	9990	9990	9980	10000
Fuel Time - Sec. (FOR 45 COUNTS)	1	35.4	48.0	80.0	90.0	104.4	112.5
	2	38.2	51.0	81.3	88.5	104.8	113.0
Fuel Used - Gal.	1						
	2						
Engine RPM	1	2550	2250	2100	2000	1900	1800
	2	2560	2250	2100	2000	1925	1830
Manifold Pres - in. Hg.	1	38.6	34.8	29.2	28.5	28.4	27.55
	2	37.7	34.1	29.6	28.8	28.3	27.4
CAT - Deg. C	1	0	1	3	3	2	1
	2	0	2	0	0	0	0
MSDP - in. H_2O	1	46.0	29.6	16.9	14.7	12.8	10.1
	2	41.5	26.9	16.7	14.3	12.1	9.6
OAT - Deg. C		3 2	3 2	1.0	1.0	1.0	0
Fuel Wt. - Lb/Gal.		5.81	LBS/GAL	@ 17.5 °C			
Engine Start Gr. Wt. -Lb		2 2 3.5 0					
TOTALIZER - CTS	1	722	1203	1502	1767	1917	2089
	2	800	1251	1536	1802	1951	2127
RUN	1	.0304	.0303	.0297	.0299	.0302	.0301
TOTALIZER - GALS/CT	2	.0303	.03015	.0301	.0303	.0300	.0302
FUEL MIXTURE		RICH	RICH	LEAN	—	—	→
ΔW TOTAL - LBS.		1441	AS WEIGHED				

Remarks:
AVERAGE TOTALIZER GALS/CT (1) .0304
(2) .0301
4 GALLONS OIL USED

DATE: 25 JAN 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		SPEED POWER					
Flight No.		9	—				→
Run No.		7	8	9	10	11	12
Airspeed - Kts.		116.5	111.0	106.0	94.6	84.2	67.0
Altitude - Ft.		10000	10000	10000	9990	10000	10090
Fuel Time - Sec. (FOR 45 COUNTS)	1	122.2	136.9	140.1	168.5	181.0	204.0
	2	117.6	131.0	132.8	156.1	179.6	167.5
Fuel Used - Gal.	1						
	2						
Engine RPM	1	1800	1800	1800	1800	1800	1810
	2	1830	1820	1820	1820	1820	1820
Manifold Pres - in. Hg.	1	25.3	23.5	21.7	19.8	19.0	18.55
	2	25.4	23.4	21.7	19.7	19.0	18.6
CAT - Deg. C	1	0	-2	0	0	-2	0
	2	0	-2	0	-1	-2	0
MSDP - in. H_2O	1	8.2	6.7	5.4	4.0	3.6	3.2
	2	8.1	6.6	5.4	4.1	3.8	3.6
OAT - Deg. C		0	-3.1	0	-1.0	-1.0	-1.0
Fuel Wt. - Lb/Gal.		5.81	LB/GAL	@ 17.5 °C			
Engine Start Gr. Wt. -Lb		22350					
TOTALIZER - CTS	1	2197	2992	2383	2489	2567	2749
	2	2239	2339	2437	2552	2639	2856
RUN	1	.0303	0307	.0308	.0313	.0316	.0320
TOTALIZER - GALS/CT	2	.0302	.0306	.0307	.0310	.0315	.0312
FUEL MIXTURE		LEAN	—				→

Remarks:

DATE: 25 JAN 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		SPEED POWER					
Flight No.		9					
Run No.		13	14				
Airspeed - Kts.		68.9	76.5				
Altitude - Ft.		10000	10030				
Fuel Time - Sec. (FOR 45 COUNTS)	1	1852	211.5				
	2	163.5	180.5				
Fuel Used - Gal.	1						
	2						
Engine RPM	1	1810	1810				
	2	1825	1830				
Manifold Pres - in. Hg.	1	18.0	17.4				
	2	17.6	17.2				
CAT - Deg. C	1	0	0				
	2	0	0				
MSDP - in. H_2O	1	3.0	2.8				
	2	3.2	3.0				
OAT - Deg. C		-1.0	-1.0				
Fuel Wt. - Lb/Gal.		5.81	LB/GAL @ 17.5 °C				
Engine StartGr. Wt. -Lb		2235	0				
TOTALIZER - CTS	1	2874	2985	END	3520		
	2	3009	3132	OF FLT	3672		
RUN	1	.0315	.0325				
TOTALIZER - GALS/CT	2	.0312	.0316				
FUEL MIXTURE		LEAN	LEAN				

Remarks:

DATE: 25 JAN 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		SINGLE ENGINE SPEED POWER					
Flight No.		11	—				→
Run No.		1	2	4	5	7	8
Airspeed - Kts.		123.6	104.0	83.0	78.0	96.4	84.5
Altitude - Ft.		4935	4950	4985	4925	4990	4975
Fuel Time - Sec. (FOR 45 COUNTS)	1	0	—				→
	2	31.25	51.9	77.8	130.6	163.2	198.5
Fuel Used - Gal.	1						
	2						
Engine RPM	1	0	0	0	0	1380	1220
	2	2560	2550	2010	2240	2550	2550
Manifold Pres - in. Hg.	1						
	2	42.7	35.09	32.86	34.89	42.3	40.1
CAT - Deg. C	1	10	9	6	6	9	9
	2	8	5	5	4	6	8
MSDP - in. H_2O	1	0	—				→
	2	55.0	26.7	17.1	16.0	52.0	45.5
OAT - Deg. C		9.5	6.5	7.5	6.5	7.5	5.0
Fuel Wt. - Lb/Gal.		5.80 LB/GAL @ 16.7 °C					
Engine Start Gr. Wt. -Lb		26430					
TOTALIZER - CTS	1	388	388	388	388	566	598
	2	574	888	1361	1587	2293	2720
RUN	1						
TOTALIZER GALS/CT	2	.0299	.0301	.0300	.0301	.0295	.0288
FUEL MIXTURE		RICH	RICH	LEAN	RICH	RICH	RICH
ΔW TOTAL - LBS		1959 - AS WEIGHED					

Remarks:
AVERAGE TOTALIZER - GALS/CT (1) .0304
(2) .0301

LEFT ENGINE FEATHERED RUNS 1-5 DATE: 28 JAN 1960

TEST DATA CORRECTED FOR INSTRUMENT ERROR

YAC-1 DH S/N 57-3079

TEST		SINGLE ENGINE SPEED POWER					
Flight No.		11					
Run No.		9					
Airspeed - Kts.		81.6					
Altitude - Ft.		4470					
Fuel Time - Sec.	1	0					
	2	33555					
Fuel Used - Gal.	1						
	2						
Engine RPM	1	1000					
	2	2550					
Manifold Pres - in. Hg.	1						
	2	39.1					
CAT - Deg. C	1	9					
	2	7					
MSDP - in. H_2O	1	0					
	2	43.0					
OAT - Deg. C		5.0					
Fuel Wt. - Lb/Gal.		5.80	LB/GAL @	16.7°C			
Engine StartGr. Wt. -Lb		2643	0				
TOTALIZER - CTS	1	604	END	3831			
	2	2991	OF FLT	6653			
RUN	1						
TOTALIZER GALS/CT	2	.0303					
FUEL MIXTURE		RICH					

Remarks:

DATE: 28 JAN 1960

YAC-1DH USA No. 57-3079

TEST LANDING (SHORT FIELD)

Flight No. 21-2 Avg. RPM MAP IDLE

Date 10 MARCH 60 Mixture Rich .

OAT 8.0 Deg. C Flap Position 40 Deg.

Press. Alt. 2180 Ft. Gross Wt. 25,860 Lbs.

Wind Speed CALM Kts. T.O. 50 Ft.

Wind Direction 10 Deg. FROM NOSE IAS 55 Kts. 70.5 Kts.

Runway Heading 040 Deg. Vgr 59.5 Kts. 70 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
0	378	146	22	2686	
1	500	127	25	2903	
2	622	109	28	3092	
3	744	91	31	3253	
4	864	75	34	3393	
5	983	60	37	3514	
6	1102	45	40	3607	
7	1219	30	43	3657	
8	1336	18	44	3665	
9	1451	10	45	3664	
10	1563	5			
11	1673	3			
12	1779	2			
13	1882	0			
13.5	1937	T.D.			
14	1983				
15	2080	N.W.D.			
15.5	2127				
16	2174				
17	2265				
18	2354				
19	2441				

YAC-1DH USA No. 57-3079

TEST LANDING (SHORT FIELD)

Flight No. 176 — Avg. RPM MAP 17KI

Date 16 MARCH 60 — Mixture Rich

OAT 6.0 Deg. C — Flap Position 90 Deg.

Press. Alt. 2170 Ft. — Gross Wt. 25510 Lbs.

Wind Speed 13 Kts. — T.O. 50 Ft.

Wind Direction 15 Deg. FROM NOSE — IAS 55 Kts. 68 Kts.

Runway Heading 040 Deg. — Vcr 58 Kts. 66 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
0	433	126	31	2629	
1	541	107	32	2644	
2	658	88			
3	769	70			
4	881	52			
5	993	35			
6	1104	20			
7	1215	9			
8	1324	3			
9	1430	2			
10	1533	1			
11	1632	T.D.			
12	1728				
12.5	1775	M.W.D			
13	1821				
14	1909				
15	1991				
16	2070				
19	2275				
22	2424				
25	2522				
28	2580				

YAC-1DH USA No. 57-3079

TEST [illegible] (SHORT FIELD)

Flight No. 1-8 Avg. RPM MAP 71.0

Date [illegible] Mixture Rich ____

OAT 8.0 Deg. C Flap Position 40 Deg.

Press. Alt. 2170 Ft. Gross Wt. 25,400 Lbs.

Wind Speed 1.0 Kts. T.O. 50 Ft.

Wind Direction 25 Deg. FROM NOSE IAS 55.5 Kts. 64 Kts.

Runway Heading 040 Deg. Vgr 61 Kts. 66.5 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft.	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
0	-239	156	20.5	1914	
1	-138	131			
2	-17	114			
3	97	101			
4	209	85			
5	323	69			
6	435	54			
7	546	40			
8	658	28			
9	768	17			
10	877	9			
11	985	3			
12	1089	T.D			
13	1191				
14	1288				
14.75	1360	N.W.D.			
15	1382				
16	1471				
17	1551				
20	1745				
23	1865				
26	1912				

YAC-1DH USA No. 57-3079

TEST LANDING (SHORT FIELD)

Flight No. 21-10 | Avg. RPM MAP IDLE

Date 10 MARCH 60 | Mixture Rich _____

OAT 8.0 Deg. C | Flap Position 90 Deg.

Press. Alt. 2170 Ft. | Gross Wt. 25,200 Lbs.

Wind Speed CALM Kts. | T.O. 50 Ft.

Wind Direction — Deg. | IAS 55 Kts. 62.5 Kts.

Runway Heading 040 Deg. | Vgr 59.5 Kts. 64 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
0	888	1.54			
1	996	133			
2	1105	114			
3	1215	97			
4	1324	80			
5	1433	65			
6	1541	50			
7	1649	36			
8	1756	23			
9	1863	12			
10	1968	4			
11	2071	T.D.			
12	2170				
13	2266				
14	2357				
14.5	2401	N.W.D.			
15	2445				
16	2526				
17	2601				
20	2778				
23	2879				
26	2903				

YAC-1DH USA No. 57-3079

TEST LANDING, (SHORT FIELD)

Flight No. 21-12 Avg. RPM MAP IDLE

Date 10 MARCH '60 Mixture Rich

OAT 8.0 Deg. C Flap Position 90 Deg.

Press. Alt. 2160 Ft. Gross Wt. 25,090 Lbs.

Wind Speed CALM Kts. T.O. 50 Ft.

Wind Direction — Deg. IAS 53.5 Kts. 64.5 Kts.

Runway Heading 040 Deg. Vgr 59 Kts. 62.5 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
0	-656	16.7			
2	-443	131			
3	-337	112			
4	-231	93			
5	-124	75			
6	-19	59			
7	87	44			
8	192	30			
9	297	18			
10	401	9			
11	503	2			
11.5	554	T.D.			
12	603				
13	700				
14	794				
15	884				
16	971	N.W.D.			
17	1051				
18	1124				
21	1298				
24	1387				
25	1396				

YAC-1DH USA No. 57-3079

TEST LANDING (SHORT FIELD)

Flight No. 25-6 | Avg. RPM MAP IDLE

Date 25 MARCH 60 | Mixture Rich

OAT 8.0 Deg. C | Flap Position 40 Deg.

Press. Alt. 6890 Ft. | Gross Wt. 21,010 Lbs.

Wind Speed 2.65 Kts. | T.O. 50 Ft.

Wind Direction 010 Deg. FROM TAIL | IAS 58 Kts. 66 Kts.

Runway Heading 270 Deg. | Vgr 65.5 Kts. 77 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
1151	2470		6.944	1710	7
1.308	2452		7.349	1661	6
1.530	2420		7.766	1610	6
1.715	2395		8.182	1560	6
1.895	2375		8.590	1513	5
2079	2345		8.803	1487	5
2.453	2300		9.017	1460	5
2.828	2250		9.236	1439	5
3.012	2227		9.444	1413	5
3.186	2208		9.667	1390	4
3.369	2177	53	9.881	1365	4
3550	2155	48	10.106	1338	4
3738	2126	46	10.319	1313	3
3.912	2105	43	10.550	1287	2
4.101	2080	37	10.780	1262	2
4.280	2056	34	10.998	1237	1
4.646	2007	28	11.223	1212	1
5.029	1957	22	11.499	1182	1
5.404	1907	18	11.765	1154	0
5.777	1860	15	11.984	1132	
6.168	1810	12	12.188	1107	
6.555	1758	10	12.287	1096	

YAC-1DH USA No. 57-3079

TEST LANDING (SHORT FIELD)

Flight No. 25 (CONT.) Avg. RPM MAP IDLE

Date 25 MARCH 60 Mixture Rich

OAT 8.0 Deg. C Flap Position 40 Deg.

Press. Alt. 6890 Ft. Gross Wt. 21,010 Lbs.

Wind Speed 2.65 Kts. T.O. 50 Ft.

Wind Direction 010 Deg. FROM TAIL IAS 58 Kts. 66 Kts.

Runway Heading 270 Deg. Vgr 65.5 Kts. 77 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
12.634	1060		27.058	100	
12.963	1023		28.145	76	
13.179	995		29.188	57	
13.613	948		31.342	0	
14.070	904				
14.559	856				
15.075	808				
15.586	761				
16.129	713				
16.719	662				
17.367	610				
17.984	563				
18.642	512				
19.342	465				
20.082	415				
20.874	365				
21.648	319				
22.617	270				
23.709	221				
24.814	173				
25.538	147				
26.240	123				

YAC-1DH USA No. 57-3079

TEST LANDING (SHORT FIELD)

Flight No. 26-6 | Avg. RPM MAP IDLE

Date 26 MARCH '60 | Mixture Rich

OAT 6.0 Deg. C | Flap Position 90 Deg.

Press. Alt. 6940 Ft. | Gross Wt. 21,430 Lbs.

Wind Speed 1.7 Kts. | T.O. 50 Ft.

Wind Direction 25 Deg. FROM TAIL | IAS 54 Kts. 61 Kts.

Runway Heading 270 Deg. | Vgr 67.5 Kts. 82 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
.574	2437	60	6.743	1662	
.778	2415	53	6.946	1637	
.960	2390	49	7.172	1610	
1.132	2367	46	7.350	1587	
1.323	2342	41	7.612	1560	
1.497	2320	39	7.825	1538	
1.681	2295	37	8.041	1513	
1.846	2270	32	8.232	1490	
2.053	2244	30	8.474	1464	T.O.
2.234	2220	26	8.705	1438	
2.584	2176	23	9.160	1390	
2.963	2127	17	9.603	1340	
3.358	2077	12	10.100	1290	
3.744	2027	9	10.610	1237	
4.121	1980	6	11.129	1183	
4.505	1930	4	11.607	1135	
4.892	1884	5	11.868	1107	
5.302	1830	4	12.089	1090	
5.686	1785	4	12.259	1047	
6.068	1740	5	12.409	1028	
6.304	1712	4	12.672	1005	
6.519	1687	3	12.943	980	

YAC-1DH USA No. 57-3079

TEST LANDING (SHORT FIELD)

Flight No. 26 (CONT) Avg. RPM MAP IDLE

Date 26 MARCH '60 Mixture Rich

OAT 6.0 Deg. C Flap Position 40 Deg.

Press. Alt. 6940 Ft. Gross Wt. 21,430 Lbs.

Wind Speed 1.7 Kts. T.O. 50 Ft.

Wind Direction 25 Deg. FROM TAIL IAS 54 Kts. 61 Kts.

Runway Heading Deg. Vgr 67.5 Kts. 82 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
13.349	935		29.208	83	
13.955	887		30.746	57	
14.515	840		34.405	0	
15.036	795				
15.685	745				
16.306	696				
16.935	650				
17.674	595				
18.382	546				
19.156	495				
19.955	447				
20.824	397				
21.785	346				
22.676	300				
23.285	273				
23.824	250				
24.418	225				
25.001	202				
25.609	183				
26.373	155				
27.193	130				
28.106	106				

YAC-1DH USA No. 57-3079

TEST [illegible] (SHORT FIELD)

Flight No. 21-1 — Avg. RPM MAP IDLE

Date 24 March 60 — Mixture Rich

OAT 0 Deg. C — Flap Position 40 Deg.

Press. Alt. 6915 Ft. — Gross Wt. 26,260 Lbs.

Wind Speed 2.7 Kts. — T.O. 50 Ft.

Wind Direction 170 Deg. FROM TAIL — IAS 65 Kts. 71 Kts.

Runway Heading 270 Deg. — Vgr 72 Kts. 82 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
7227	2085	50	12 271	1445	
7.453	2050	48	12.492	1417	
7661	2030	47	12 700	1395	
7838	2005	45	12.936	1368	
8.055	1980	42	13.135	1343	
8 236	1953	39	13.361	1317	
8.450	1921	37	13.569	1293	
8.649	1900	33	13.801	1268	
8.847	1875	30	14.016	1240	
9.025	1853	27	14.433	1175	
9.240	1825	25	14.862	1130	
9.413	1805	23	15.312	1095	
9.819	1750	18	15.807	1043	
10.207	1705	16	16.237	997	
10.621	1650	10	16.697	950	
10.831	1625	8	17.207	900	
11.043	1600	7	17.721	852	
11.259	1570	6	18.279	797	
11.450	1550	2	18.793	750	
11.662	1520	2	19.070	727	
11.852	1493	T.O.	19.353	705	
12.071	1469		19.531	687	

YAC-1DH USA No. 57-3079

TEST LANDING (SHORT FIELD)

Flight No. 27 (CONT.) Avg. RPM MAP IDLE

Date 24 MARCH 60 Mixture Rich

OAT 0 Deg. C Flap Position 40 Deg.

Press. Alt. 6915 Ft. Gross Wt. 26,260 Lbs.

Wind Speed 2.7 Kts. T.O. 50 Ft.

Wind Direction 170 Deg. FROM TAIL IAS 65 Kts. 71 Kts.

Runway Heading 270 Deg. Ver 72 Kts. 82 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
19.738	667				
20.311	617				
20.914	572				
21.626	527				
22.398	475				
23.218	427				
24.145	380				
25.113	327				
26.354	280				
27.593	235				
29.581	185				
34.214	132				
38.482	120				

YAC-1DH USA No. 57-3070

TEST LANDING (SHORT FIELD)

Flight No. 27-3 Avg. RPM MAP IDLE

Date 29 MARCH 1960 Mixture Rich

OAT -1.5 Deg. C Flap Position 40 Deg.

Press. Alt. 6920 Ft. Gross Wt. 26,140 Lbs.

Wind Speed 2.2 Kts. T.O. 50 Ft.

Wind Direction 160 Deg. FROM TAIL IAS 68.5 Kts. 78 Kts.

Runway Heading 270 Deg. Vgr 71 Kts. 82 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
5.955	2076		11.680	1378	1
6.161	2063		11.902	1350	0
6.347	2042		12.091	1328	
6.527	2018		12.310	1301	
6.934	1970	54	12.508	1278	
7.324	1920	49	12.905	1230	
7.717	1868	43	13.348	1180	
7.929	1839	39	14.238	1082	
8.100	1818	37	15.139	980	
8.291	1797	39	16.131	880	
8.461	1775	31	17.179	772	
8.657	1750	29	18.211	682	
8.847	1725	27	19.289	589	
9.060	1700	25	20.493	492	
9.246	1677	23	21.171	496	
9.460	1650	20	23.521	299	
9.663	1623	19	26.676	149	
10.070	1575	16	28.119	102	
10.456	1527	11	30.696	99	
10.848	1477	7	33.702	37	
11.257	1427	4			
11.481	1402	2			

YAC-1DH USA No. 57-3079

TEST LANDING (SHORT FIELD)

Flight No. 28-8 Avg. RPM MAP IDLE

Date 4 APRIL 1960 Mixture Rich

OAT 19 Deg. C Flap Position 40 Deg.

Press. Alt. 2025 Ft. Gross Wt. 22,900 Lbs.

Wind Speed 1.8 Kts. T.O. 50 Ft.

Wind Direction 310 Deg. FROM NOSE IAS — Kts. — Kts.

Runway Heading 040 Deg. Vgr 60.4 Kts. 63.4 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
15	3832	62	38	5508	
16	3940	43	41	5594	
17	4047	25	41.5	5596	
18	4155	11			
19	4262	3			
20	4367	T.D.			
21	4466				
22	4563				
22.5	4610	U.W.D.			
23	4657				
24	4747				
25	4833				
26	4917				
27	4997				
28	5071				
29	5139				
30	5202				
31	5258				
32	5310				
33	5355				
34	5396				
35	5431				

YAC-1DH USA No. 57-3079

TEST LANDING (SHORT FIELD)

Flight No. 28-10 Avg. RPM MAP IDLE

Date 4 APRIL 1960 Mixture Rich

OAT 20 Deg. C Flap Position 40 Deg.

Press. Alt. 2025 Ft. Gross Wt. 22,940 Lbs.

Wind Speed 1.9 Kts. T.O. 50 Ft.

Wind Direction 350 Deg. FROM NOSE IAS — Kts. — Kts.

Runway Heading 040 Deg. Vgr 57.5 Kts. 62.0 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
16	2929	50			
17	2534	35			
18	2639	22			
19	2742	12			
20	2844	4			
21	2945	1			
21.25	2969	T.D.			
22	3041				
23	3139	N.W.D.			
26	3388				
29	3600				
32	3265				
35	3886				
38	3945				
39	3948				

YAC-1DH USA No. 57-3079

TEST LANDING

Flight No. 28-12 Avg. RPM MAP IDLE

Date 9 APRIL 1960 Mixture Rich

OAT 19 Deg. C Flap Position 40 Deg.

Press. Alt. 2015 Ft. Gross Wt. 22,780 Lbs.

Wind Speed 1.3 Kts. T.O. 50 Ft.

Wind Direction 320 Deg. FROM NOSE IAS — Kts. 57 Kts.

Runway Heading 040 Deg. Vgr 57 Kts. 60 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
7	3687	57			
8	3788	41			
9	3890	27			
10	3991	14			
11	4092	5			
12	4190	T.D.			
13	4284				
13.5	4330	N.W.O.			
14	4375				
17	4619				
20	4811				
23	4943				
26	5014				
27	5020				
27.25	5021				

YAC-1DH USA No. 57-3079

TEST LANDING (SHORT FIELD)

Flight No. 9 RUN 1 — Avg. RPM MAP FLT IDLE

Date 16 SEPT 1960 — Mixture Rich _____

OAT 10 Deg. C — Flap Position 40 Deg.

Press. Alt. 240 Ft. — Gross Wt. 26240 Lbs.

Wind Speed 8.8 Kts. — T.O. 50 Ft.

Wind Direction 50 Deg. — IAS 50 Kts. 58 Kts.

Runway Heading 330 Deg. — V_{CR} 56.8 Kts. 64.6 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
.77	0	63.7			
1.80	104	40.0			
2.80	210	25.1			
3.80	315	11.4			
4.84	416				
5.84	505				
6.84	589				
7.86	669				
8.88	736				
9.87	797				
10.90	867				
11.90	887				
12.91	919				
13.93	937				
14.94	947				
15.94	947				

YAC-1DH U.S.A No. 57-3079

TEST LANDING (SHORT FIELD)

Flight No. 9 RUN 3 — Avg. RPM MAP FLT. IDLE

Date 16 SEPT. 1960 — Mixture Rich

OAT 10 Deg. C — Flap Position 40 Deg.

Press. Alt. 230 Ft. — Gross Wt. 26130 Lbs.

Wind Speed 7.9 Kts. — T.O. 50 Ft.

Wind Direction 65 Deg. — IAS 50 Kts. 59 Kts.

Runway Heading 330 Deg. — Vgr 55.3 Kts. 62.8 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
.11	-8	58.5			
1.13	100	44.2			
2.11	206	35.2			
3.12	310	22.6			
4.14	414				
5.13	510				
5.47	539				
6.49	627				
7.48	712				
8.47	785				
9.49	850				
10.50	917				
11.49	958				
12.50	987				
13.50	1012				
14.49	1030				

YAC-1DH USA No. 57-3079

TEST LANDING (SHORT FIELD)

Flight No. 9 RUN 4 — Avg. RPM MAP FLT. IDLE

Date 16 SEPT. 1960 — Mixture Rich

OAT 10 Deg. C — Flap Position 40 Deg.

Press. Alt. 235 Ft. — Gross Wt. 26075 Lbs.

Wind Speed 5.6 Kts. — T.O. 50 Ft.

Wind Direction 70 Deg. — IAS 46 Kts. 58 Kts.

Runway Heading 330 Deg. — Vgr 51.2 Kts. 63.5 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
.94	0	63.8			
1.95	112	46.3			
2.95	120	31.9			
3.95	328	19.8			
4.94	337	12.5			
5.96	539	7.8			
6.95	643	4.5			
7.95	737				
8.64	795				
9.63	881				
10.62	957				
11.63	1027				
12.63	1079				
13.62	1126				
14.64	1165				
15.63	1193				
16.62	1212				
17.63	1215				

YAC-1DH USA No. 57-3079

TEST LANDING (SHORT FIELD)

Flight No. 9 RUN 5

Date 16 SEPT. 1960

OAT 10.5 Deg. C

Press. Alt. 235 Ft.

Wind Speed 10 Kts.

Wind Direction 60 Deg.

Runway Heading 330 Deg.

Avg. RPM MAP FLT. IDLE

Mixture Rich _____.

Flap Position 40 Deg.

Gross Wt. 25990 Lbs.

T.O. 50 Ft.

IAS 50 Kts. 60 Kts.

Vgr 54.1 Kts. 61.3 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
.76	0	54.3			
1.75	107	39.1			
2.76	213	28.4			
3.75	318	20.1			
4.74	420	10.5			
5.75	521	4.0			
6.74	619				
7.06	649				
8.06	739				
9.06	820				
10.05	890				
11.05	952				
12.05	1013				
13.04	1065				
14.03	1105				
15.04	1140				
16.01	1161				
17.01	1171				

YAC-1DH U.S.A No. 57-3079

TEST LANDING (SHORT FIELD)

Flight No. 9 RUN 6 — Avg. RPM MAP FLT IDLE

Date 16 SEPT 1960 — Mixture Rich _____

OAT 10.5 Deg. C — Flap Position 40 Deg.

Press. Alt. 225 Ft. — Gross Wt. 25940 Lbs.

Wind Speed 12.6 Kts. — T.O. 50 Ft.

Wind Direction 82 Deg. — IAS 49 Kts. 58 Kts.

Runway Heading 330 Deg. — Vgr 56.8 Kts. 64.0 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
.82	0	61.9			
1.82	104	43.3			
2.80	210	27.3			
3.80	313	15.5			
4.80	417	5.0			
5.46	480				
6.45	574				
7.45	660				
8.45	740				
9.43	793				
10.43	870				
11.42	923				
12.40	968				
13.40	1010				
14.40	1041				
15.37	1060				
16.39	1063				
17.71	1063				

YAC-1DH USA No. 57-3079

TEST LANDING (SHORT FIELD)

Flight No. 10 RUN 1 — Avg. RPM MAP FLT. IDLE

Date 17 SEPT. 1960 — Mixture Rich

OAT 14 Deg. C — Flap Position 40 Deg.

Press. Alt. 390 Ft. — Gross Wt. 26190 Lbs.

Wind Speed 3.5 Kts. — T.O. · 50 Ft.

Wind Direction 65 Deg. — IAS 55 Kts. 59 Kts.

Runway Heading 330 Deg. — Vgr 60.0 Kts. 69.2 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
.32	0	61.6			
1.33	132	44.3			
2.35	260	28.5			
3.37	347	14.0			
4.37	452	4.2			
5.06	527				
6.09	605				
7.08	725				
8.11	820				
9.12	905				
10.12	982				
11.14	1045				
12.16	1105				
13.16	1145				
14.17	1185				
15.19	1213				
16.18	1233				
17.21	1235				
17.56	1235				

YAC-1DH USA No. 57-3079

TEST LANDING (SHORT FIELD)

Flight No. 10 RUN 2 — Avg. RPM MAP FLT. IDLE

Date 17 SEPT. 1960 — Mixture Rich ____

OAT 14 Deg. C — Flap Position 40 Deg.

Press. Alt. 390 Ft. — Gross Wt. 26110 Lbs.

Wind Speed 4.1 Kts. — T.O. 50 Ft.

Wind Direction 70/75 Deg. — IAS 51 Kts. 61 Kts.

Runway Heading 330 Deg. — Vcr 53.5 Kts. 60.3 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
.18	0	75.0			
1.21	100	51.0			
2.22	201	29.9			
3.22	310	13.85			
4.24	405	2.4			
4.59	440				
5.60	525				
6.60	615				
7.63	695				
8.63	762				
9.64	822				
10.65	880				
11.66	940				
12.66	965				
13.68	991				
14.69	1005				
15.68	1010				
16.03	1012				

YAC-1DH USA No. 57-3079

TEST LANDING (SHORT FIELD)

Flight No. 10 RUN 3 — Avg. RPM MAP FLT. IDLE

Date 17 SEPT 1960 — Mixture Rich

OAT 14 Deg. C — Flap Position 40 Deg.

Press. Alt. 390 Ft. — Gross Wt. 26035 Lbs.

Wind Speed 3.9 Kts. — T.O. 50 Ft.

Wind Direction 70 Deg. — IAS 50 Kts. 60 Kts.

Runway Heading 330 Deg. — Vgr 57.8 Kts. 58.0 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
.93	0	67.7			
1.95	90	46.5			
2.95	188	30.2			
3.96	286	17.0			
4.98	388	7.5			
5.98	490				
6.99	578				
8.00	660				
9.00	732				
10.01	795				
11.04	852				
12.03	898				
13.04	936				
14.06	959				
15.06	974				
16.06	975				
16.41	976				
16.76	976				

YAC-1DH USA No. 57-3079

TEST LANDING (SHORT FIELD)

Flight No. 10 RUN 4 — Avg. RPM MAP FLT. IDLE

Date 17 SEPT. 1960 — Mixture Rich

OAT 14 Deg. C — Flap Position 40 Deg.

Press. Alt. 395 Ft. — Gross Wt. 25980 Lbs.

Wind Speed 3.2 Kts. — T.O. 50 Ft.

Wind Direction 77.5 Deg. — IAS 51 Kts. 60 Kts.

Runway Heading 150 Deg. — Vcr 59.8 Kts. 60.8 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
.20	20	62			
1.22	123	42.9			
2.21	227	19.4			
3.22	327	6.2			
3.90	397				
4.90	487				
5.90	578				
6.91	660				
7.91	732				
8.92	792				
9.93	845				
10.93	888				
11.94	916				
12.95	947				
13.95	962				
14.96	973				
15.98	973				

YAC-1DH USA No. 57-3079

TEST LANDING (SHORT FIELD)

Flight No. 10 RUN 5 — Avg. RPM MAP FLT IDLE

Date 17 SEPT 1960 — Mixture Rich

OAT 14 Deg. C — Flap Position 40 Deg.

Press. Alt. 395 Ft. — Gross Wt. 25905 Lbs.

Wind Speed 3.9 Kts. — T.O. 50 Ft.

Wind Direction 87.5 Deg. — IAS 52 Kts. 61 Kts.

Runway Heading 150 Deg. — Vgr 55.0 Kts. 55.0 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
.26	0	74.8			
1.28	103	53.2			
2.29	196	32.8			
3.29	290	17.2			
4.30	388	4.9			
4.98	450				
5.98	538				
6.98	623				
8.00	696				
9.00	759				
10.02	812				
11.03	856				
12.03	891				
13.04	919				
14.05	928				
15.05	932				

YAC-1DH U.S.A No. 57-3079

TEST LANDING (SHORT FIELD)

Flight No. 10 RUN 6 — Avg. RPM MAP FLT. IDLE

Date 17 SEPT. 1960 — Mixture Rich _____.

OAT 14 Deg. C — Flap Position 40 Deg.

Press. Alt. 400 Ft. — Gross Wt. 25835 Lbs.

Wind Speed 4.0 Kts. — T.O. 50 Ft.

Wind Direction 87.5 Deg. — IAS 50 Kts. 60 Kts.

Runway Heading 330 Deg. — Vcr 58.7 Kts. 66.2 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
.38	0	65.9			
1.40	117	53.9			
2.39	227	41.6			
3.41	338	26.85			
4.43	447	13.9			
5.43	556	4.33			
6.10	622				
7.13	723				
8.12	811				
9.13	898				
10.15	972				
11.15	1038				
12.16	1098				
13.18	1149				
14.17	1186				
15.19	1213				
16.20	1228				
17.21	1232				
17.54	1232				

YAC-1DH USA No. 57-3079

TEST LANDING (SHORT FIELD)

Flight No. 11 RUN 1 — Avg. RPM MAP FLT IDLE

Date 17 SEPT 1960 — Mixture Rich _____.

OAT 22 Deg. C — Flap Position 40 Deg.

Press. Alt. 405 Ft. — Gross Wt. 26365 Lbs.

Wind Speed 6.3 Kts. — T.O. 50 Ft.

Wind Direction 130 Deg. — IAS 50 Kts. 60 Kts.

Runway Heading 150 Deg. — Vcr 52.0 Kts. 54.8 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
.37	0	97.6			
1.35	126	82.3			
2.34	185	66.8			
3.30	268	50.7			
4.28	360	30.0			
5.26	454	16.25			
6.23	546	6.36			
7.20	635				
8.20	716				
9.16	789				
10.14	861				
11.13	920				
12.10	968				
13.08	1024				
14.05	1067				
15.03	1098				
16.00	1122				
16.99	1131				
17.64	1133				

YAC-1DH USA No. 57-3079

TEST LANDING (SHORT FIELD)

Flight No. 11 RUN 2 — Avg. RPM MAP FLT. IDLE

Date 17 SEPT 1960 — Mixture Rich

OAT 23 Deg. C — Flap Position 40 Deg.

Press. Alt. 405 Ft. — Gross Wt. 26320 Lbs.

Wind Speed 3.9 Kts. — T.O. 50 Ft.

Wind Direction 170/180 Deg. — IAS 52 Kts. 59 Kts.

Runway Heading 150 Deg. — Vgr 54.8 Kts. 56.0 Kts.

TIME - Sec	DISTANCE - Ft	HEIGHT - Ft	TIME - Sec	DISTANCE - Ft	HEIGHT - Ft
.44	0	64.5			
1.44	95	48.3			
2.46	195	27.4			
3.475	295	15.3			
4.48	390	3.2			
4.83	425				
5.86	515				
6.89	608				
7.90	676				
8.95	730				
9.97	805				
11.00	861				
12.05	909				
13.10	932				
14.14	970				
15.20	990				
15.89	1001				

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